



THE

1954

KERMAN

INDIANA TECHNICAL COLLEGE—FORT WAYNE, INDIANA—U. S. A.



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The Students of

INDIANA

TECHNICAL

COLLEGE

Present

1954 KEKIONGAN

A YEAR OF

DECISION

PLANS



UNFOLD FOR A GREATER TECH



News-Sentinel

Lutherans Agree to Concordia College



NEW CAMPUS

BOUGHT JULY, 1953

...

TO BE OCCUPIED

JULY, 1956

INDIANA TECHNICAL COLLEGE

1956





Final papers were signed on July 23, 1953, completing the purchase of Concordia College by Indiana Technical College, for \$1,000,000. Signing for Concordia were Dr. Paul L. Dennenfeldt, chairman of the college board, and the Rev. Edgar P. Schmidt, secretary of the Concordia board. President Archie T. Keene and Secretary Inez M. Pontius signed for Indiana Technical College.

Tech plans to gain possession of the 20-acre tract including all buildings July 1, 1956 (excluding 4.86 acres on the south-east corner of the campus where the High School and two houses on the east side of East Drive are located).

The purchase of Concordia College was not an isolated opportunity which was suddenly presented and seized by the members of the Board of Directors of Indiana Technical College. Rather it was the climax of years of forward-looking decisions, of obstacles met and overcome, opportunities searched out and utilized.

ORGANIZATION OF TECH

Few events in the history of any institution or country stand alone. They are foreshadowed and prepared for by the judgment and courage of men whose names might be forgotten when the goal is finally reached. Such men were John A. Kalbfleisch, former school executive, who conceived and founded Indiana Tech, and William J. Hess, financier and manufacturer (father of Paul Hess, now a member of the Board of Directors of I.T.C.) who joined in the venture. They worked hard and helped with the early development of Indiana Technical College. The purpose of the college was to alleviate in a small measure the shortage of capable engineers. They were particularly interested in the capable young men with limited financial resources who were unable to attend a regular four-year college. The new college concentrated on mathematics, science, and engineering subjects and the state charter authorized the conferring of the bachelor of science degree in the various fields of engineering on an accelerated program. The establishment of the college in the downtown area of Fort Wayne provided convenience for part-time work for students who needed it. Most boys did!



SOCIAL LIFE





CLASSES



THE STUDENTS AT PLAY





the Student

at Work



DEDICATED TO THE . . .





WIVES OF TECH'S STUDENT ENGINEERS

"Who can find a virtuous woman? for her price is far above rubies.

The heart of her husband doth safely trust in her, so that he shall have no need of spoil.

She will do him good and not evil all the days of her life.

Give her of the fruit of her hands; and let her own works praise her in the gates."

Proverbs 31:10-12, 31.





The deepest tenderness a woman can show to a man, is to help him to do his duty.— Mulock.



There is a woman at the
beginning of all great
things.—Lamartine.





Next to God we are indebted to women, first for life itself, and then for making it worth having.—Bovee.

There is nothing by which I have through life more profited, than by the just observations, the good opinions, and sincere and gentle encouragement of amiable and sensible women.—Sir. S. Romilly.



MR. C. A. OVERHOLT
Treasurer and Business Manager



MRS. INEZ M. PONTIUS
Secretary



MR. ROBERT C. RUHL
Dean



HOWARD P. SMITH
Director of Student Industrial
Relations

"Engineers have Pioneered new inventions and changed luxuries into necessities. Because of engineers, blast furnaces roar, millions are employed, industry keeps growing, the nation becomes more powerful and less vulnerable. Because of engineers America moves ahead."

DR. ARCHIE T. KEENE, President.

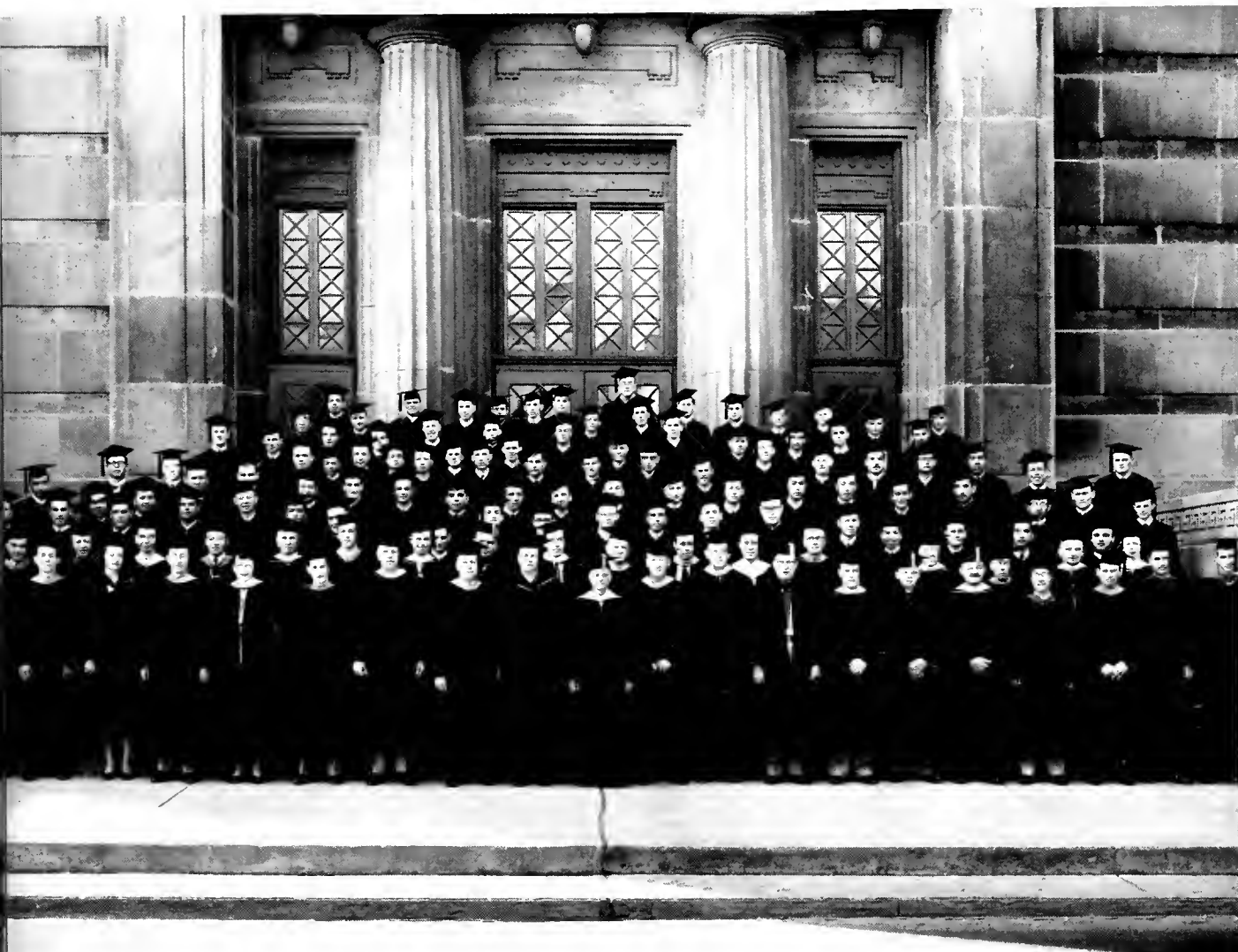


ADMINISTRATION



"An engineer is one who passes as an exacting expert on the strength of being able to turn out, with prolific fortitude, strings of incomprehensible formulae calculated with micrometric precision from extremely vague assumptions which are based on debatable figures acquired from inconclusive tests and quite incomplete experiments, carried out with instruments of problematic accuracy by persons of doubtful reliability and rather dubious mentality with particular anticipation of disconcerting and annoying everyone outside of their own fraternity."

GRADUATES



EDWARD B. ABBOTT, B.S.C.E.; Conneaut Lake, Penna.; Pyramid Club; Alpha Gamma Upsilon, President; Assistant House Manager, House Manager, Social Chairman, Vice-President; Glee Club; Water Polo; Intramural Basketball; Swimming; Bowling; Softball; Inter-fraternity Council; Flying Club; Junior Class, Vice-President.

GREGORY ABRAHAMIAN, B.S.C.E.; New Britain, Conn.; Pyramid Club; Kappa Sigma Kappa, President; Sophomore Class, Secretary-Treasurer; Student Council, Treasurer.

JACOB A. ASKENAZI, B.S.Ae.E.; Jerusalem, Israel; I.A.S., Jewish Menora Club; President's List (3) Honor Roll.

ATHAKRAVI ARD, B.S.M.E.; Bangkok, Thailand; Camera Club.

HOWARD D. AUTHER, B.S.Ae.E.; Bobtown, Penna.; I.A.S.; Kappa Sigma Kappa; President's List (9); Senior Class, Vice-President.

JAMES G. BEASLEY, B.S.M.E.; Camden, Tenn.; S.A.E., Mechanical Club; Technician Staff (Business Manager), Softball; Caswell Drawing Award; President's List (7).

JOHN B. BECKMAN, B.S.Ae.E.; Lowell, Ind.; I.A.S.; Alpha Gamma Upsilon, House Manager (2); Camera Club, Flying Club; Freshman Vice-President, Sophomore President, Junior President 1953 Year Book Photographer; Student Instructor ED I (3).

ROLAND BOUCHER, B.S.Ae.E.; Trois Rivières, Quebec, Canada; S.A.E.; I.A.S., Vice-Chairman; Alpha Gamma Upsilon, Sergeant-at-Arms, House Manager; KEKIONGAN, Sales Manager; Varsity Tennis; President's List (1).

JAMES M. BRYANT, B.S.C.E.; Burnside, Ky.; Pyramid Club; Technician Staff, Assistant Editor and Re-write; Intramural Basketball; Iota Tau Kappa; President's List (8).

JORGE BURITICA-BAENA, B.S.M.E.; Bogota, Colombia, South America; Phi Iota Alpha; Soccer.

ROBERT W. CARNEY, B.S.R.E.; Ope Locks, Fla.; S.A.R.E.; President's List (1).

NEI-HUNG CHEN, B.S.M.E.; Froyang, Formosa, China; President's List (4).

THOMAS R. CLARK, B.S.C.E.; Vineland, N. J.; Kappa Sigma Kappa, Intrafraternity Council (Secretary and Treasurer); Pyramid Club, Softball; President's List (3).

RAFAEL A. CUNNINGHAM, B.S.E.E.; Panama, Republic of Panama; Electrical Club; (Vice-Chairman); Phi-Iota-Alpha (Secretary of Correspondence); Y.M.C.A. Cosmopolitan Club (President).

LOYD E. DAVIS, B.S.M.E.; Chattahoochee, Fla.; Kappa Sigma Phi, President; Student Council, Vice-President; Softball; Bowling.

ROBERT B. ENGLAND, B.S.E.E.; Chattanooga, Tenn.; A.I.E.E.; Kappa Sigma Phi (Corresponding Secretary); Tech. Reporter (5); Male Chorus (11); Kekionga Variety Club (President 5); Fencing (5).

CARROLL W. EVERHART, B.S.R.E.; Scottsburg, Ind.; Sigma Phi Delta, Historian; S.A.R.E., Vice-President, Treasurer.

JOSEPH G. FALCIONI, B.S.M.E.; B.S.C.E.; Archbald, Penna.; Pyramid Club.

I. SEYKI FIGEN, B.S.C.E.; Istanbul, Turkey; Pyramid Club, President; Glee Club; Fencing Club; Varsity Soccer; President's List (2); Nations United Club; Cosmopolitan Club.

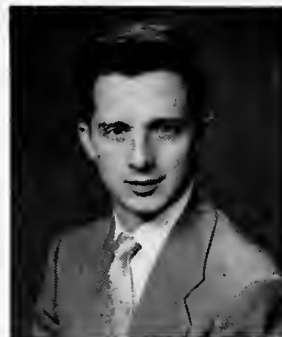
ROYSTON L. FLETCHER, B.S.C.E.; Spanish Town, Jamaica, B.W.I.; Pyramid Club, Vice-President, Treasurer; Cosmopolitan Club, Program Chairman; Soccer, Co-Captain; President's List; Nations United Club.

ROBERT D. FOWLER, B.S.R.E.; Madison, Ind.; S.A.R.E., Sigma Phi Delta (Chaplain); Intramural Softball, Bowling, Rifle Team (Secretary and Treasurer).

ROLAND A. GAGNON, B.S.M.E.; Byfield, Mass.; S.A.E.; Mechanical Club, Vice-President, Secretary; President's List (2).

ADELBERT M. GILLEN, B.S.R.E.; Keansburg, N. J.; S.A.R.E. (Treasurer); Iota Tau Kappa; Honor Roll (9); Intramural Basketball, Softball.

WILLIAM CROSS, JR., B.S.C.E.; Glenolden, Penna.; Pyramid Club; Kappa Sigma Kappa, Secretary; Student Council, Secretary; President's List (4).



EDWARD B. ABBOTT
B.S.C.E.

JACOB A. ASKENAZI
B.S.Ae.E.

HOWARD D. AUTHER
B.S.Ae.E.

JOHN B. BECKMAN
B.S.Ae.E.

GREGORY ABRAHAMIAN
B.S.C.E.

ATHAKRAVI ARD
B.S.M.E.

JAMES G. BEASLEY
B.S.M.E.

ROLAND BOUCHER
B.S.Ae.E.



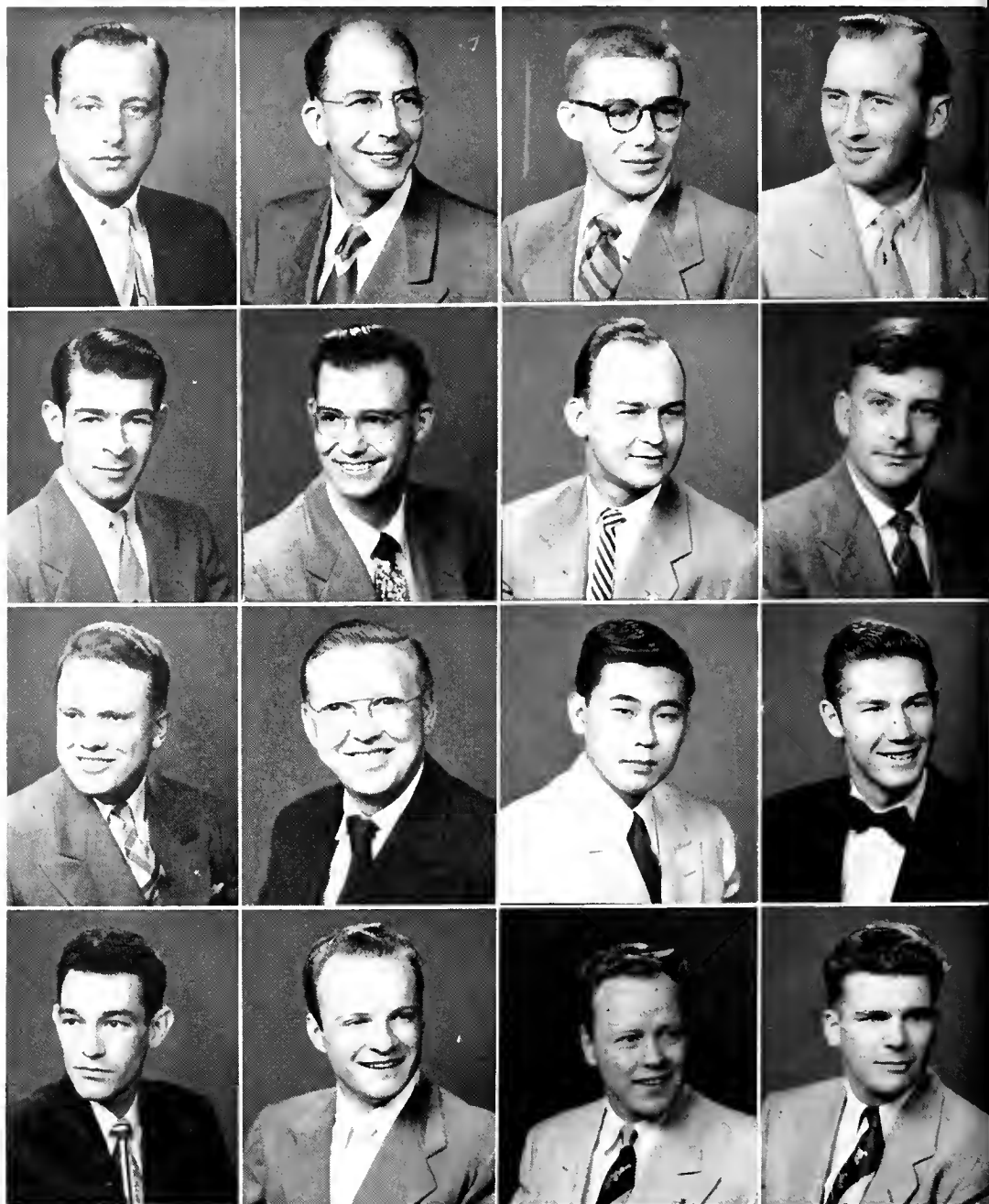
JAMES M. BRYANT
B.S.C.E.
THOMAS R. CLARK
B.S.C.E.
CARROLL W. EVERHART
B.S.R.E.
ROBERT D. FOWLER
B.S.R.E.

JORGE BURITICA-BAENA
B.S.M.E.
RAFAEL A. CUNNINGHAM
B.S.E.E.
JOSEPH G. FALCIONI
B.S.M.E.; B.S.C.E.
ROLAND A. GAGNON
B.S.M.E.

ROBERT W. CARNEY
B.S.R.E.
LOYD E. DAVIS
B.S.M.E.
I. SEVKI FIGEN
B.S.C.E.
ADELBERT M. GILLEN
B.S.R.E.

NEI HUNG CHEN
B.S.M.E.
ROBERT B. ENGLAND
B.S.E.E.
ROYSTON L. FLETCHER
B.S.C.E.
WILLIAM GROSS, JR.
B.S.C.E.

GRADUATES



FRANK V. GROSS
B.S.C.E.
GEORGE H. HARRIS
B.S.E.E.
PAUL J. HEDTKE
B.S.C.E.
ROBERTO A. JIMENEZ
B.S.C.E.

JAMES W. HAMBY
B.S.C.E.
EDWARD J. HATFIELD, JR.
B.S.E.E.
ROBERT E. HENRY
B.S.Ae.E.
JOHN E. JIPP
B.S.M.E.

PHILIPP G. HAMMOND
B.S.M.E.
JUDLEY PENALISTON HATTAWAY
B.S.M.E.
WILLIAM T. IGAWA
B.S.C.E.
EMERSON C. JONES, JR.
B.S.Ch.E.

KENNETH C. HANSEN
B.S.C.E.
DOUGLAS E. HAWK
B.S.
ANDREW IWASIUKE
B.S.C.E.
ROGER H. KAUFFMAN
B.S.Ae.E.; B.S.M.E.

GRADUATES



RAYMOND THOMAS KILDUFF
 B.S.E.E.
LESLIE E. LOCKETT
 B.S.C.E.
RICHARD E. MAGUIRE
 B.S.C.E.
FERDINAND R. MARIANI
 B.S.C.E.

FRANK M. LEAHY
 B.S.R.E.
ARIEL JACKIE LOCKLAIR
 B.S.Ae.E.
JOSEPH A. MANNING
 B.S.Ae.E.
LOUIS G. MARTINEZ
 B.S.E.E.

FRANK V. GROSS, B.S.C.E.; Clairton, Penna.; Pyramid Club, Sigma Phi Delta, Pledgemaster; Intramural Softball, Interfraternity Softball, Co-Captain; President's List (6).

JAMES W. HAMBY, B.S.C.E.; Mokelumne Hill, California.

PHILIP GORDON HAMMOND, B.S.M.E.; Cerro Gordo, North Carolina; Junior Class, Vice-President; Kappa Sigma Phi, Vice-President; Interfraternity Council, President.

KENNETH C. HANSEN, B.S.C.E.; Richland, Wash.; Kappa Sigma Phi, Vice-President; Softball.

GEORGE H. HARRIS, B.S.E.E.; Penna.; A.I.E.E.; S.A.E. (Treasurer); (Chairman); President's List (1).

EDWARD J. HATFIELD, JR.; B.S.E.E.; Fort Wayne, Ind.; A.I.E.E.; Iota Tau Kappa; Student Instructor Phy 21A (2), Phy 11A (1).

DUDLEY PENALSTON HATTAWAY, B.S.M.E.; Pensacola, Fla.; President's List.

DOUGLAS E. HAWK, B.S.C.E.; Bristol, Tenn.; Pyramid Club; President's List (2).

PAUL J. HEDTKE, B.S.C.E.; Alpine, California; Bowling; President's List (3).

ROBERT E. HENRY, B.S.Ae.E.; Indianapolis, Ind.; I.A.S.; Kappa Sigma Phi, President, Sergeant-at-Arms; President's List (2).

WILLIAM T. IGAWA, B.S.C.E.; Hilo, Hawaii; Pyramid Club; Hawaii Club (President, Secretary-Treasurer, Athletic Chairman); President's List (3).

ANDREW IWASIUK, B.S.C.E.; Vauxhall, Alberta, Canada; Pyramid Club, Vice-President, Treasurer; Nations United Club, Cosmopolitan Club, Vice-President; Student Council; Soccer, Captain; Fencing; President's List (7); Honor Roll (4).

ROBERTO A. JIMENEZ, B.S.C.E.; Cali, Colombia, South America; President's List (3).

JOHN E. JIPP, B.S.M.E.; Lincoln, Iowa; A.S.M.E., Secretary, Treasurer, Vice-President, President; Flying Club, Secretary.

EMERSON C. JONES, JR., B.S.Ch.E.; Fort Wayne, Ind.; A.C.S.; Kappa Sigma Phi.

ROGER H. KAUFFMAN, B.S.Ae.E.; B.S.M.E.; Swathmore, Penna.; I.A.S. (Secretary, Vice-President); S.A.E.; Kappa Sigma Kappa (Treasurer-President); Student Council Treasurer, Vice-President; KEKIONGAN Staff '53 (Assistant Business Manager); Bowling, Captain; Senior Class (President); President's List (6); Honor Roll (1); Student Instructor Ae.E. 2A (1).

RAYMOND THOMAS KILDUFF, B.S.E.E.; New Britain, Conn.; A.I.E.E.; President's List (1).

FRANK M. LEAHY, B.S.R.E.; Baltimore, Md.; S.A.R.E., Recording Secretary, Secretary; President's List (3).

LESLIE E. LOCKETT, B.S.C.E.; Lebanon, Tenn.; Pyramid Club, President; President's List (4); Student Instructor C.E. 23A, 2 terms.

ARIEL JACKIE LOCKLAIR, B.S.Ae.E.; Hartsville, S. C.; Alpha Gamma Upsilon; Interfraternity Council; Baseball; Softball, Basketball; President's List (4).

RICHARD E. MAGUIRE, B.S.C.E.; Monmouth, Ill.; Pyramid Club.

JOSEPH A. MANNING, B.S.Ae.E.; Cheyenne, Wyoming; I.A.S.; Flying Club; Camera Club; Student Council (2); President's List (4).

FERDINAND R. MARIANI, B.S.C.E.; Philadelphia, Penna.; Kappa Sigma Kappa, Vice-President; Baseball; Softball; Intramural Basketball; President's List (1).

LOUIS G. MARTINEZ, B.S.E.E.; Taos, N. M.; A.I.E.E.

MAURICE DEE McGEE, B.S.M.E.; Ossian, Ind.; A.G.U.; Basketball (3); Softball.

ARMIN E. MITTERMAIER, B.S.M.E.; Fort Wayne, Ind.; Glee Club; Tennis.

SHIGETOSHI R. MIYASATO, M.S.M.E., Kauai, Hawaii; Hawaiian Club; President's List (3); Bowling Club.

ANTHONY M. MOLLO, B.S.M.E.; Brooklyn, N. Y.; Softball, Manager; and Player; Golf; Honor Roll (2).

DONALD E. NETZLEY, B.S.R.E.; A.B., Physics and Math; Danvers, Mass.; President's List (6); Student Instructor Physics IIA (1).

ROBERT J. NEUBAUR, B.S.R.E.; Albany, N. Y.; Fencing, Vice-President, President; Student Council; Honor Roll (6).

JOEL R. NOREN, B.S.M.E.; Kelso, Washington; Iota Tau Kappa; President's List (9); Rifle Club.

WALTER PETERSON, B.S.M.E.; Portsmouth, Va.; Secretary, Senior Class; President and Business Manager, Sigma Phi Delta; A.S.M.E.; Male Chorus; Softball; Golf, Fraternity Softball.

ORBY PUTMAN, B.S.Ae.E.; Van Wert, Ohio; I.A.S.; Student Council.

CARL N. REDFIELD, B.S.R.E.; Wilmore, Kan.; Sigma Phi Delta, Treasurer.

DAVID STRANGE RING, B.S.C.E.; Fort Wayne, Ind.; Pyramid Club.

THOMAS H. RODES, B.S.C.E.; Logan, W. Va.; Pyramid Club; Honor Roll (2 or 3).

JAMES JOSEPH ROONEY, B.S.Ch.E.; Kalamazoo, Mich.; Chemical Club, Secretary; Instructor in Flying Club; Honor Roll (1).

GERALD SARDELLA, B.S.Ae.E.; Middletown, N. Y.; I.A.S.; Alpha Gamma Upsilon, Assistant House Manager, House Manager, Corresponding Secretary; Student Council, Treasurer; Technician Staff, Cartoonist; KEKIONGAN, Editor-in-Chief; Variety Club; Flying Club; Yell Leader; Intramural Softball; President's List (4); Iota Tau Kappa Honor Roll (1).

JOSEPH G. SEFCIK, B.S.M.E.; Whitestone, N. Y.; KEO (Secretary); Softball, Bowling; Basketball; over 3 Average 4 terms.

DURWARD G. SMALL, B.S.E.E.; Norfolk, Va.; Kappa Sigma Kappa (President); Student Council, Glee Club (President); Fencing Club, Soph. Class (President), Senior Class (Vice-President), Inter-Frat. Council; President's List (3).

HARRISON J. SMITH, B.S.M.E.; St. Marys, Penna.; A.S.M.E.; Sigma Phi Delta; Student Council; Bowling; Softball; Golf; Honor Roll (2).

M. S. STEPHANIDIS, B.S.M.E.; Sunman, Ind.; Mechanical Club; Society of Auto. Engineers; Sigma Phi Delta (Business Manager).

ROBERT L. STEVENS, B.S.E.E.; Quincy, Mass.

ROBERT G. STUART, B.S.C.E.; San Juan, Texas; Pyramid Club; Kappa Sigma Kappa (Pledge-Master); Freshman Class President (1) Student Council (2); President's List (1); Student Council Key.

HAROLD G. SWALLOW, B.S.Ae.E.; Versailles, Ohio; I.A.S. (President 2); Member of Membership Committee (2); Flying Club (Secretary-Treasurer 3), President (4), Student Council (2); 2nd place in ED2 and ED3 for Caswell Award; President's List (4).

DONALD TATE, B.S.E.E.; Roselle, Wilmington, Del.; Student Branch A.I.E.E. (Secretary and Chairman); Sigma Phi Delta; KEKIONGAN Staff; Honor Roll (1).

FRED E. TORTSTRUP, B.S.M.E.; Denville, N. J.; S.A.E. (Secretary); Flying Club; Alpha Gamma Upsilon (Secretary); Male Chorus; President's List (1).

AUGUSTUS P. TULLO, B.S.E.E.; Long Island City, New York; Kappa Sigma Kappa (Secretary, Sergeant-at-Arms); President's List (3); Honor Roll (1).



MAURICE DEE McGEE
B.S.M.E.
SHIGETOSHI R. MIYASATO
B.S.M.E.
DONALD E. NETZLEY
B.S.R.E.
JOEL R. NOREN
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ARMIN E. MITTERMAIER
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ANTHONY M. MOLLO
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ROBERT J. NEUBAUR
B.S.R.E.
WALTER PETERSON
B.S.M.E.



ORBY PUTMAN
B.S.Ae.E.

AMES JOSEPH ROONEY
B.S.Ch.E.

HARRISON J. SMITH
B.S.M.E.

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B.S.Ae.E.

MANUEL S. STEPHANIDIS
B.S.M.E.

DONALD TATE
B.S.E.E.

DAVID STRANGE RING
B.S.C.E.

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ROBERT L. STEVENS
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FRED E. TORSTRUP
B.S.M.E.

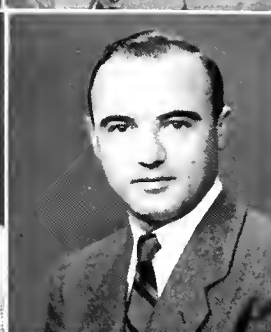
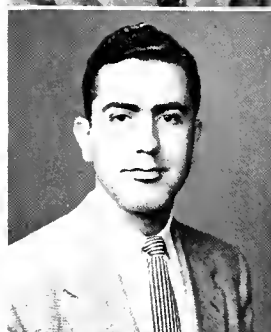
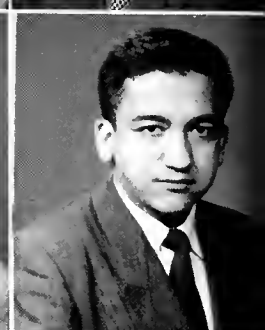
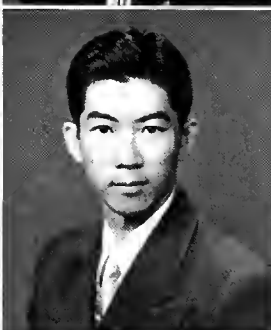
THOMAS E. RODES
B.S.C.E.

DURWARD G. SMALL
B.S.E.E.

ROBERT G. STUART
B.S.C.E.

AUGUSTUS P. TULLO
B.S.E.E.

GRADUATES



WILLIAM W. TOY
B.S.M.E.
DAVID A. WESTRICK
B.S.R.E.
ABRAHAM Y. ANOUCHI
B.S.R.E.
HOMER LLOYD BECHTEL
B.S.R.E., B.S.E.E.

ARTO VAGA
B.S.M.E.
ROBERT K. YOKOMOTO
B.S.R.E.
EDGAR I. ATKINSON
B.S.M.E.
FRANK C. BETTENS
B.S.C.E.

DONALD E. WEAVER
B.S.Ae.E.
MARCELO ZORE
B.S.R.E.
CONSTANTIN L. BABU
B.S.C.E.
HARVEY J. BERG
B.S.Ch.E.

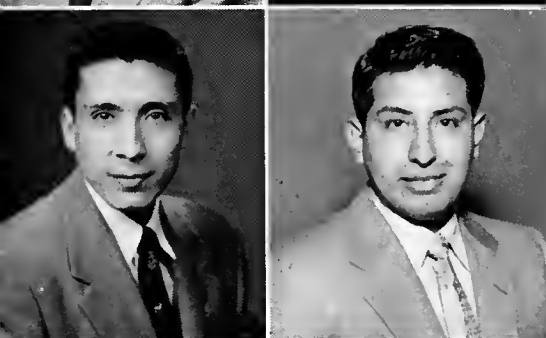
HAROLD JOSEPH WESEL
B.S.C.E.
EFRAIN ALGERIA
B.S.E.E.
BERNARD A. BEAULIEU
B.S.R.E.
ROBERT M. BISHOP
B.S.Ch.E.

GRADUATES



WILLIAM W. TOY, B.S.M.E.; Evansville, Ind.

AHTO VAGA, B.S.M.E.; Lakewood, N. J.; S.A.E. (Treasurer).



DONALD E. WEAVER, B.S.Ae.E.; Elkhart, Ind.; I.A.S.; Senior Class (President); Junior Class (Vice-President); Kappa Sigma Phi; Softball and Bowling; Student Council (3), President (1), Secretary (1); President's List (5).

HAROLD JOSEPH WESELI, B.S.C.E.; Hartford City, Ind.; Pyramid Club; Sigma Phi Delta; Interfraternity Council; President's List.

DAVID A. WESTRICK, B.S.R.E.; Fort Wayne, Ind.; S.A.R.E.; Basketball, Interdepartmental; President's List (1).

ROBERT K. YOKOMOTO, B.S.R.E.; Honolulu, Hawaii; Hawaiian Club, President; Iota Tau Kappa, President's List (12).

MARCELO ZORE, B.S.R.E.; Long Island City, N. Y.; Bowling; President's List (3).

EFRAIN ALGERIA, B.S.E.E.; Cali, Colombia, South America.

ABRAHAM Y. ANOUCHI, B.S.R.E.; Haifa, Israel; Student Association of Radio Engineers; Jewish Menora Club, Chairman; Iota Tau Kappa, Vice-President; Honor Roll (9); Open House '52 and '53.

EDGAR I. ATKINSON, JR., B.S.M.E.; Reading, Pa.; Mechanical Club; Kappa Sigma Phi; Junior Class, President; Student Council; Iota Tau Kappa, Secretary; President's List (9).

CONSTANTIN L. BASU, B.S.C.E.; New York, N. Y.; Member of Civil Engineering Student Association; Eugene Pullion Scholarship '53 and '54; President's List (6); Nations United Club.

BERNARD A. BEAULIEU, B.S.R.E.; Soldier Pond, Maine; K.I.K.; Band and Orchestra.

HOMER LLOYD BECHTEL, B.S.R.E., B.S.E.E.; Bechtelsville, Pa.; Student Association of Radio Engineers; Sigma Phi Delta Eng., Historian and Publications Editor; Inter-Frat. Softball.

FRANK C. BETTENS, B.S.C.E.; Glace Bay, Nova Scotia, Canada; Honor Roll (1).

HARVEY J. BERG, B.S.Ch.E.; Stillwater, Minn.; American Chemical Society; Sigma Phi Delta; Student Council; President's List (4).

ROBERT M. BISHOP, B.S.Ch.E.; Fort Wayne, Ind.; A.C.S.; Freshman Chemistry Lab. Instructor.

HAROLD E. BAGGOTT, B.S.E.E.; Herrin, Ill.; S.A.R.E., President (2); Treasurer (2); A.I.E.E.; Junior Class, Vice-President; Alpha Gamma Upsilon, Sergeant-at-Arms. National Scholarship Award; Delegate, U.S. National Students Association; Intramural Basketball (3); Intramural Softball (1); Iota Tau Kappa; President's List (14); Instructor (12).

LAWRENCE J. BURKART, B.S.R.E.; Zanesville, Ohio; Honor Roll (5).

JOSE GERMAN CAERO, B.S.M.E.; Cochabamba, Bolivia, S.A.; A.S.M.E.; President's List (1); Swimming; Photography.

WILLIAM O. CALDERON, B.S.M.E.; Stockton, California; Mechanical Club; Technician Staff (4).

WARREN DALE CAMPBELL, B.S.M.E.; Tionesta, Pa.; Sigma Phi Delta; Student Council; Inter-Frat. Council, President; President's List (1).

ZEPHIRIN A. CAOUCETTE, B.S.M.E.; Plainfield, Conn.; Mechanical Club; Iota Tau Kappa, President; President's List (10).

STASYS A. CAPLIKAS, B.S.E.E.; Hartford, Conn.

MILTON CHAITOFF, B.S.E.E.; Cleveland Heights, Ohio; Electrical Association.

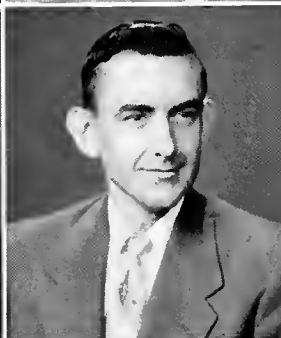


HAROLD E. BAGGOTT
B.S.E.E.

GERMAN JOSE CAEDO
B.S.M.E.

WARREN DALE CAMPBELL
B.S.M.E.

STASYS A. CAPLIKAS
B.S.E.E.



LAWRENCE J. BURKART
B.S.R.E.

WILLIAM O. CALDERON
B.S.M.E.

ZEPHIRIN A. CAOUCETTE
B.S.M.E.

MILTON CHAITOFF
B.S.E.E.



HERSHEL MCKINLEY GILES, B.S.Ae.E.; Greenwood, S. C.; Kappa Sigma Phi, President; Secretary; Inter-Frat, Council, President.

EDWARD L. GOJZEWSKI, B.S.M.E.; Somerville, Mass.; Caswell Engineering Drawing Award.

JOSEPH ANTHONY GRONDA, B.S.Ae.E.; Windsor Locks, Conn.; I.A.S.; Flying Club, Kappa Sigma Kappa, Pledge Master; Year Book Staff, Glee Club; Intramural Basketball, Softball, Manager.

GEORGE S. GREENEBERG, B.S.Ae.E.; Camden, N. J.; Institute of Aeronautical Sciences, Vice-Chairman and Treasurer.

JOSEPH WILLIAM GROGAN, B.S.C.E.; Pawling, N. Y.; Pyramid Club; President's List (3); Intramural Basketball, Softball, Swimming.

LAWRENCE GRUNER, B.S.E.E.; Coldwater, Mich.; Sigma Phi Delta; President's List (4).

DELMAR D. HAINES, B.S.C.E.; Scio, Ohio; Student Civil Engineering Association; Kappa Sigma Kappa Frat., President; Honor Roll (6); Iota Tau Kappa.

LLOYD EVANS HALL, B.S.M.E.; Pippapass, Ky.; A.S.M.E., Secretary, Treasurer; Intramural Basketball (2), Captain; President's List (6); Instructor Machine Shop (5).

WU CHEN, B.S.R.E.; Hongkong, China; President's List (4).

IRA CARLTON CRANDALL, B.S.R.E.; Old Bridge, N. J.; S.A.R.E., Secretary; A.I.E.E.; Alpha Gamma Upsilon, Secretary and Editor for Frat. Paper; Year Book Staff; Freshman Class, Secretary; Sophomore Class, Vice-President; President's List; Open House Displays.

LAVERN H. DIPPOLD, B.S.M.E.; St. Marys, Pa.; Sigma Phi Delta, Assistant Pledge Master; Intramural Softball.

LEROY IVAN DIMMICK, B.S.Ae.E.; Rochester, N. Y.; I.A.S., Vice-Chairman; Sophomore Class, Vice-President; Flying Club, Vice-President; Open House; President's List (7).

ELWOOD WALLACE DUNN, B.S.E.E.; Harrisburg, Ill.; Junior Class, President; A.I.E.E.; Student Council (1); Honor Roll (1); Open House.

EDGAR STAYTON ENGLISH, B.S.C.E.; Greenwood, Del.; Pyramid Club; Society of Automotive Engineers; Sigma Phi Delta; Freshman Class, Secretary; Junior Class, President; Student Council, Vice-President (1); Student Council, President (2); President's List (1).

PETER R. FATIANOW, B.S.M.E.; Buenos Aires, Argentina; S.A.E.; Junior Class, Vice-President; Sigma Phi Delta; Flying Club, Treasurer; Kekionga Variety Club, German Club (Instructor); Orchestra; Year Book Staff; President's List (7).

CARMELO FERRARIO, B.S.E.E.; Beaver Falls, Pa.; Senior Class, Vice-President; Sigma Phi Delta; Kekionga Variety Club, Vice-President; Year Book Staff, Assistant Advertising Manager and Assistant Editor; Technician Staff, Boxing Team; President's List (3); Open House; Christmas Convocation (Santa Claus).

EMANUEL FLAGELLA, B.S.M.E.; Dunkirk, N. Y.; Sigma Phi Delta, Chaplain (2) Bowling (3), Treasurer (1); Honor Roll (3).

JOHN FODY, B.S.Ch.E.; Glen Meyer, Ontario, Canada; Student Affiliate, American Chemical Society; President's List (5).

JAMES A. FOERSTER, B.S.E.E.; Louisville, Ky.; Alpha Gamma Upsilon, Flying Club; German Club; Student Council; Business Manager Year Book and Assistant Editor; Baseball; Kekionga Key Award; Kekionga Star Award; Merit Awards, Open House.

IRVING M. FOGEL, B.S.C.E.; Rockaway Park, N. Y.; Pyramid Club; S.A.E., President, Vice-President, Secretary, Reporter; Flying Club, Secretary and Reporter; Student Council; Year Book; President's List (3); Open House; Student Council Appreciation Award Banquet.

THOMAS L. GAMBLE, B.S.E.E.; Wabash, Indiana; A.I.E.E.; S.A.E., Treasurer; President's List (3).

RAYMOND A. GASSER, B.S.R.E.; Youngstown, Ohio; S.A.R.E.; Technician Staff Honor Roll (1).

ROY GIBSON, B.S.C.E.; Wayland, Ky.; Pyramid Club, Kappa Sigma Phi; Softball; President's List (2); Student Instructor (3).

ROBERT W. GIESEY, B.S.C.E.; Greensburg, Pa.; Intramural Basketball; Dean's List (1).



HERSCHEL MCKINLEY GILES
B.S.Ae.E.

JOSEPH ANTHONY GRONDA
B.S.Ae.E.

JOSEPH WILLIAM GROGAN
B.S.C.E.

DELMAR D. HAINES
B.S.C.E.

EDWARD L. GOJZEWSKY
B.S.M.E.

GEORGE S. GREENEBERG
B.S.Ae.E.

LAWRENCE GRUNER
B.S.E.E.

LLOYD EVANS HALL
B.S.M.E.



WU CHEN
B.S.R.E.

ELWOOD WALLACE DUNN
B.S.E.E.

EMANUEL FLAGELLA
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THOMAS L. GAMBLE
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IRA CARLTON CRANDALL
B.S.R.E.

EDGAR STAYTON ENGLISH
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LAVERN H. DIPPOLD
B.S.M.E.

PETER R. FATIANOW
B.S.M.E.

JAMES A. FOERSTER
B.S.E.E.

ROY GIBSON
B.S.C.E.

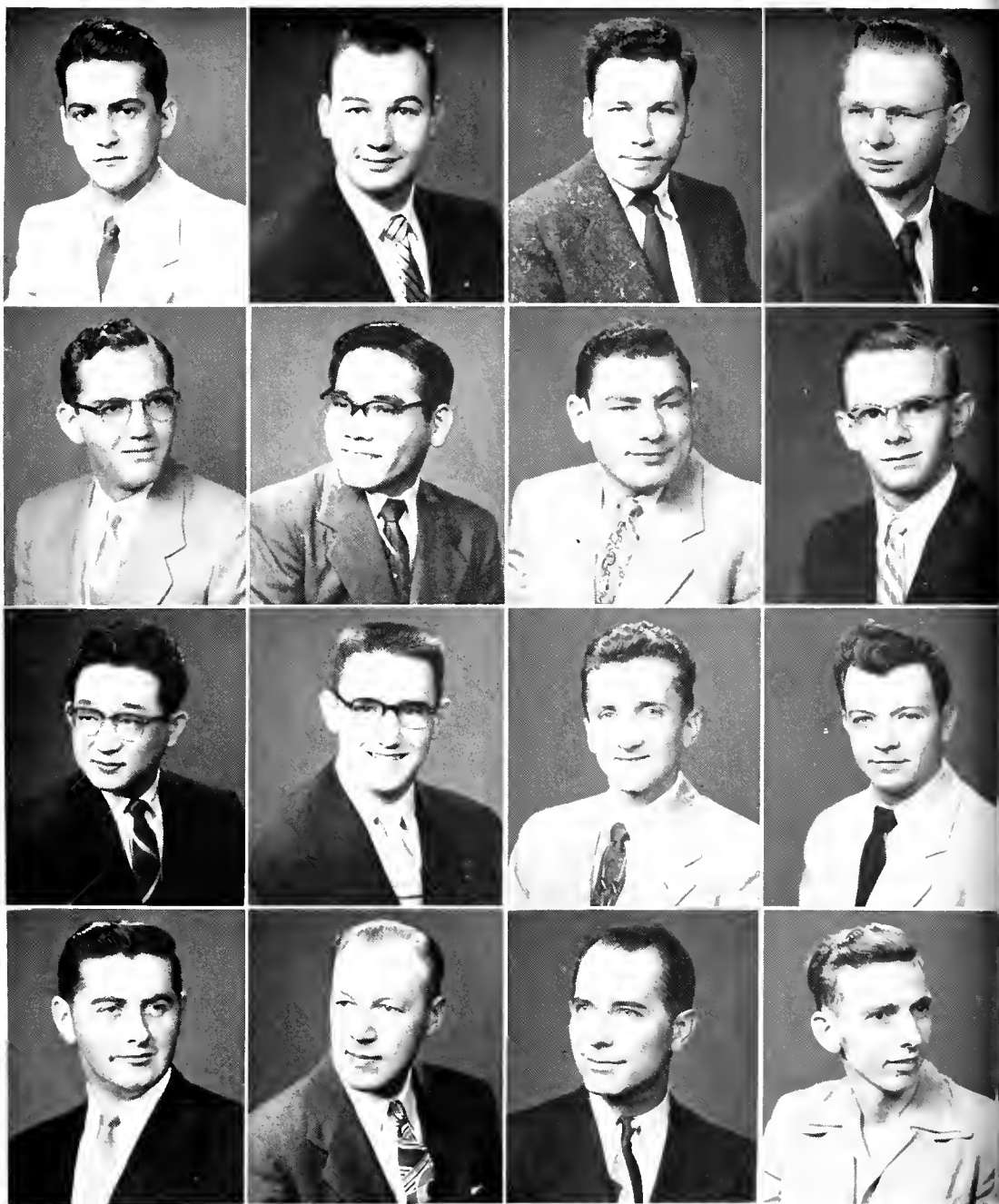
LEROY IVAN DIMMICK
B.S.Ae.E.

CARMELO FERRARIO
B.S.E.E.

IRVING M. FOGEL
B.S.C.E.

ROBERT W. GIESEY
B.S.C.E.

GRADUATES



ALVARO HERRERA
B.S.E.E.
WILLIAM W. WHITACRE
B.S.C.E.
TAKA KUTSUMA
B.S.E.E.
JEAN LEBRAT
B.S.E.E.

WILLIAM C. HOEGLER
B.S.M.E.
CARL KAICHI KANESHIRO
B.S.M.E.
DAVID E. KESSLER
B.S.C.E.
IGNACE J. LEVICKAS
B.S.E.E.

ROBERT G. IRWIN
B.S.Ch.E.
VINCENT A. KAPOCIUS
B.S.M.E.
PAUL T. KOSMATKA
B.S.Ae.E.
RUDOLPH G. LOHRBACH
B.S.E.E.

ALBERT G. IWEN
B.S.Ch.E.
DONALD J. KASSNER
B.S.M.E.
ELWOOD L. KROUT
B.S.Ae.E.
JACK McCURLEY
B.S.Ae.E.

GRADUATES



FRED D. McLAUGHLIN
B.S.M.E.
EDMUND J. McMAHON
B.S.C.E.
HUGO MACHICAO
B.S.C.E.
RICHARD MAGILL
B.S.M.E.

HAGOP A. MELKONIAN
B.S.R.E.
LOREN W. MEYER
B.S.M.E.
JACK MITCHELL
B.S.M.E.
BATUEL EIZONDO MORALES
B.S.C.E.

ALVARO HERRERA, B.S.E.E.; Cali, Colombia.

WILLIAM C. HOEGLER, B.S.M.E.; Brooklyn, N. Y.; Alpha Gamma Upsilon; Inter Fra. Council; Assistant House Manager and House Manager; Varsity Basketball, Intramural Basketball; President's List.

ROBERT G. IRWIN, B.S.C.E.; Muncie, Ind.; A.C.S.; Student Council; President's List (1).

ALBERT G. IWEN, B.S.Ch.E.; Merrill, Wis.; A.C.S., Treasurer, Vice-President; Camera Club; Student Council; President's List (2).

WILLIAM W. WHITACRE, B.S.C.E.; South Edmeston, N. Y.; Pyramid Club (4), Vice-President (1); Student Council (1); President's List (4); Honor Roll (1); Student Instructor (2).

CARL KAICHI KANESHIRE, B.S.M.E.; Waipahu, Oahu, Hawaii; A.S.M.E.;

S.A.E.; Hawaii Club; Varsity Baseball; Intramural Softball, Bowling, and Basketball.

VINCENT A. KAPOCIUS, B.S.M.E.; Chicago, Ill.; A.S.M.E., Secretary, Treasurer, Vice-Chairman and Chairman; S.A.E., Chairman; Intramural Bowling Club; Student Council; President's List (1).

DONALD J. KASSNER, B.S.M.E.; Kewaunee, Wis.; Mechanical Club; Sigma Phi Delta, Secretary; Technician Staff; Honor Roll (3).

TAKA KASUMA, B.S.E.E.; Denver, Colorado; A.I.E.E.; KEK, Treasurer and Recording Secretary.

DAVID E. KESSLER, B.S.C.E.; Janesville, Wis.; Pyramid Club; Alpha Gamma Upsilon, President, Vice-President, Board of Directors, Recording Secretary; Basketball; Swimming and Gymnastic Teams; Honor Roll (1).

PAUL T. KOSMATKA, B.S.Ae.E.; Milwaukee, Wis.; I.A.S.; A.G.U., Recording Secretary; Bowling; Student Council.

ELWOOD L. KROUT, B.S.Ae.E.; Harrisburg, Pa.; I.A.S., Secretary; Kappa Sigma Phi, Treasurer, President; Student Council (3), Varsity Golf (3); President's List (7); Softball; Bowling Club.

JEAN LEBRAT, B.S.E.E.; Loire, France; A.I.E.E.; S.A.R.E.; Soccer Club, Coach and Captain; Rifle Club.

IGNACE J. LEVICKAS, B.S.E.E.; Scottsville, Mich.; A.I.E.E., Treasurer, Secretary; Bowling; Student Council; Yearbook Staff; Iota Tau Kappa; Coolidge Award in Physics.

RUDOLPH G. LOHRBACH, B.S.E.E.; Fort Wayne, Ind.; A.I.E.E.; President's List (3).

JACK McCURLEY, B.S.Ae.E.; Houston, Texas; I.A.S.; Camera Club; Flying Club; President's List (2).

FRED D. McLAUGHLIN, B.S.M.E.; Utica, Pa.; Mechanical Club; S.A.E.; Dean's List; President's List; Student Instructor.

EDMUND J. McMAHON, B.S.C.E.; Mascatine, Iowa; Pyramid Club; Intramural Swimming Team, Captain; Bowling Team; Sigma Phi Delta, Treasurer and Reporter; Student Council; Technical Staff; Male Chorus; President of Bowling; Rifle Team; Manager of Intramural Basketball Team; President's List (1); Society of American Military Engineers.

HUGO MACHICAO, B.S.C.E.; Springfield, Mo.; Lambda Chi Alpha.

RICHARD MAGILL, B.S.M.E.; East Liverpool, Ohio; S.A.E.; Kappa Sigma Phi, Secretary, Vice-President.

HAGOP A. MELKONIAN, B.S.R.E.; Aleppo, Syria; A.I.E.E.; Glee Club; President's List (8); Nation United Club, President.

LOREN W. MEYER, B.S.M.E.; Fort Wayne, Ind.; Kappa Sigma Phi, Treasurer.

JACK MITCHELL, B.S.M.E.; Letts, Iowa; Mechanical Club; Kappa Sigma Kappa; Inter Frat. Council, Secretary and Treasurer; Varsity Basketball.

BATUEL EIZONDO MORALES, B.S.C.E.; Tampico, Tamaulipas-Mexico; Phi Iota Alpha; Inter Frat. Council; Honor Roll (2).

JOE A. SHOEMAKER, B.S.R.E.; Warsaw, Indiana; S.A.R.E.

HARVEY J. SHOPSKY, B.S.M.E.; Pleasant Unity, Pa.; Kappa Sigma Phi, President, Secretary; Honor Roll (4).

ENG SHUN, B.S.M.E.; New York, N. Y.; Kekionga Variety Club, Secretary and Treasurer, Alpha Gamma Upsilon; Orchestra; President's List; Honor Roll (3).

ALFREDO SINIBALDI, B.S.C.E.; Guatemala.

GEORGE H. SHYROCK, B.S.R.E.; Willow Springs, Mo.; S.A.R.E.; Kekionga Amateur Radio Club, President; Student Council; Technician Staff; Glee Club.

RICHARD MILES SPOONER, B.S.M.E.; Orange, Mass.; A.S.M.E.; S.A.E.; Alpha Gamma Upsilon, Vice-President, Secretary, Board of Directors, Delegate to the National Supreme Council; Student Council (4); Senior Class President; Intramural Basketball; Softball; Caswell Engineering Drawing Award; President's List (3); Instructor, Drawing I (2) Geometry (3); Open House.

WILLIAM E. STORER, B.S.C.E.; Claremont, N. H.; Pyramid Club, President; S.A.E., Secretary; Freshman Class, President; Sophomore Class, President; Iota Tau Kappa (2); President's List (9).

LEO J. SUBER, JR., B.S.M.E.; Deshler, Ohio; President's List (3).

HUSHANG M. T. MOSTOUFI, B.S.M.E.; Teheran, Iran; A.S.M.E.

THOMAS E. CORMIER, B.S.Ch.E.; Somerville, Mass.; A.C.S., President and Treasurer; Glee Club (2); Student Council (2); Intramural Swimming (3); Baseball (1); Bowling Club; Honor Roll (6).

EDWARD J. T. NACEY, B.S.C.E.; Amery, Wis.; Pyramid Club; President's List (2).

LARRY B. NOFZIGER, B.S.E.E.; Wauseon, Ohio; Alpha Gamma Upsilon, Social Chairman, IFC Representative; Year Book Staff, Glee Club; Intramural Basketball; President's List (2 or 3).

HARVEY L. OLMSTEAD, B.S.M.E.; B.S.Ae.E.; Limestone, Me.; I.A.S., Chairman; Flying Club, Instructor; Kappa Sigma Phi; Student Council, President, Secretary; Honor Roll (3).

EDWARD PASKO, B.S.E.E.; Lorain, Ohio; Honor Roll (3).
JAMES L. PAULEY, B.S.R.E.; Colville, Wash.; Kappa Sigma Phi, Pledge-master.

WALTER A. PETERSON, B.S.M.E.; Portsmouth, Va.; A.S.M.E.; Sigma Phi Delta, President, Business Manager; Softball; Male Chorus; Secretary of Senior Class.

THOMAS E. PHILLIPS, B.S.R.E.; B.S.E.E.; Plainfield, Ind.; S.A.R.E.; Year Book Staff; Open House.

LOUIS F. RICHARDS, B.S.M.E.; Springfield, Mass.; Mechanical Club; S.A.E., Secretary; Sigma Phi Delta.

EDGAR LEONARDO ALARCON, B.S.C.E.; Rubio, Tachira, Venezuela; Phi Iota Alpha, President; Varsity Soccer Team.

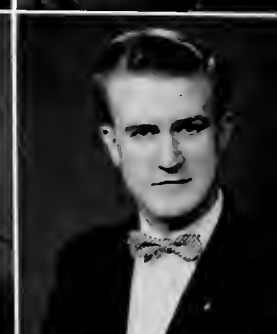
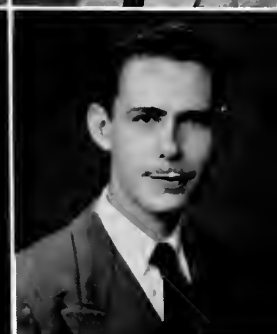
ROBERT E. ROGERS, B.S.M.E.; Wellsboro, Pa.; A.S.M.E.

HAROLD STANLEY ROMANOWSKI, B.S.M.E.; Fort Wayne, Indiana; Sigma Phi Delta; Student Council, Vice-President; Honor Roll (4).

ROBERT E. ROSS, B.S.M.E., B.S.E.E.; Mt. Vernon, N. Y.; A.S.M.E., Vice-Chairman Alpha Gamma Upsilon, President, Vice-President, Treasurer, House Manager; Student Council (2); Iota Tau Kappa, President; President's List (10); Student Instructor.

RUSSELL C. SWEENEY, B.S.M.E.; Annapolis, Md.; S.A.E.

JACK DALE SHIELDS, B.S.R.E.; Flint, Mich.; Honor Roll (4).



JOE A. SHOEMAKER
B.S.R.E.

ENG SHUN
B.S.M.E.

GEORGE H. SHYROCK
B.S.R.E.

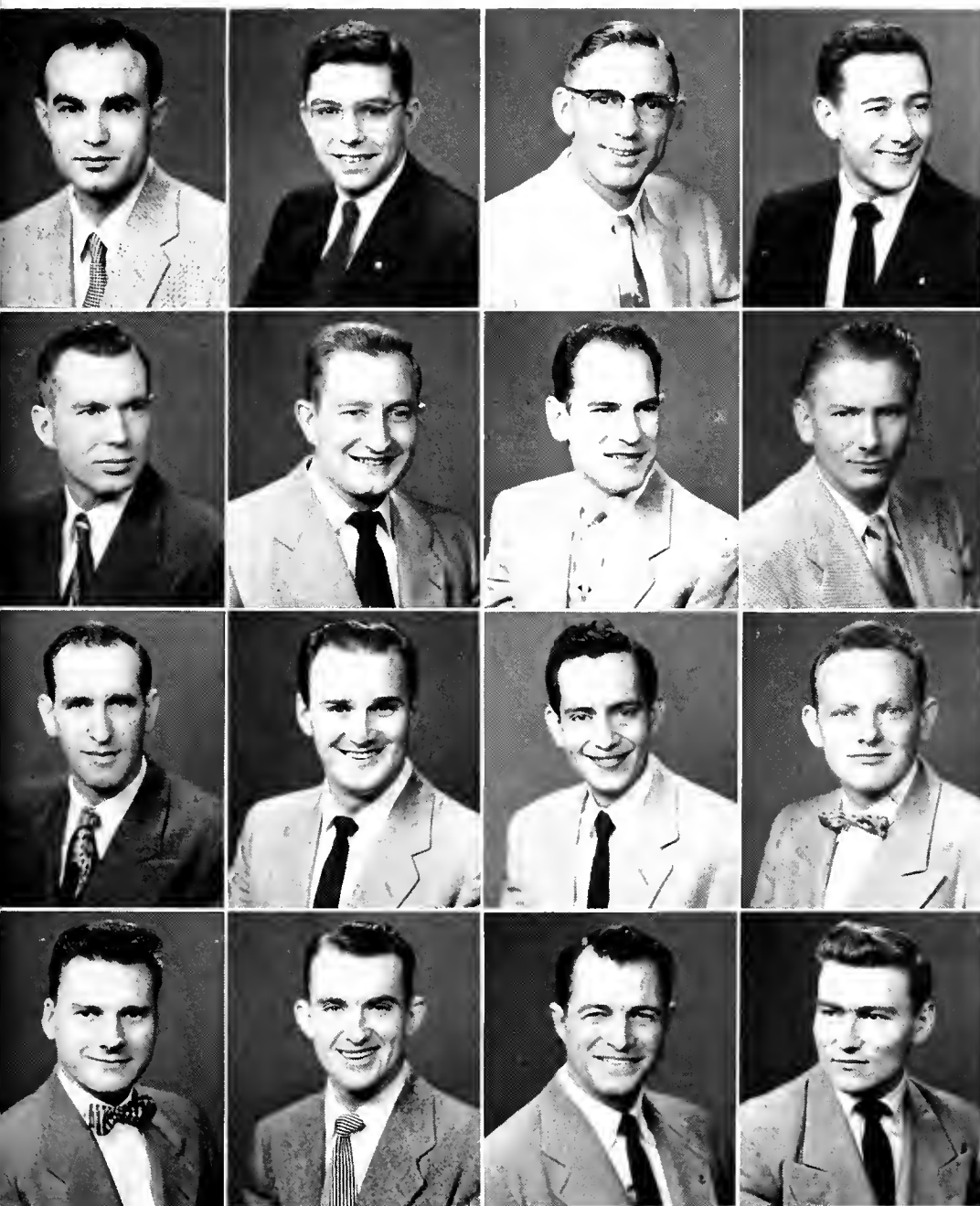
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B.S.C.E.

RICHARD MILES SPOONER
B.S.M.E.

LEO J. SUBER, JR.
B.S.M.E.



MUSHANG M. T. MOSTOUFI
B.S.M.E.
HARVEY L. OLMSTEAD
B.S.M.E.
THOMAS E. PHILLIPS
B.S.R.E., B.S.E.E.
HAROLD S. ROMANOWSKI
B.S.M.E.

THOMAS E. CORMIER
B.S.Ch.E.
EDWARD PASKO
B.S.E.E.
LOUIS F. RICHARDS
B.S.M.E.
ROBERT E. ROSS
B.S.M.E.

EDWARD J. T. NACEY
B.S.C.E.
JAMES L. PAULEY
B.S.R.E.
EDGAR LEONARDO ALARCON
B.S.C.E.
RUSSELL C. SWEENEY
B.S.M.E.

LARRY B. NOFZIGER
B.S.E.E.
WALTER A. PETERSON
B.S.M.E.
ROBERT E. ROGERS
B.S.M.E.
JACK DALE SHIELDS
B.S.R.E.

GRADUATES



DAVID TCHERASSI
B.S.C.E.

GABRIEL S. THOMAS
B.S.Ch.E.

LEROY TRAYLOR
B.S.E.E.

PHILIP TRYON
B.S.C.E.

ARNOLD D. VALENCIA
B.S.E.E.

CIRO VIVAS
B.S.E.E.

STEPHEN M. WARNEK
B.S.C.E.

MASAO WATANABE
B.S.C.E.

DAVID TCHERASSI, B.S.C.E.; Barranquilla, Colombia; Pyramid Club; Soccer and Ping-pong.

GABRIEL S. THOMAS, B.S.Ch.E.; Homs, Syria; A.C.S., President; Student Council.

LEROY TRAYLOR, B.S.E.E.; Richwood, Ohio; Indiana Tech. Electrical Association.

PHILIP TRYON, B.S.C.E.; Texline, Texas; Pyramid Club; President's List (1).

ARNOLD D. VALENCIA, B.S.E.E.; B.S.R.E.; Azusa, California; S.A.R.E.; S.A.E., Secretary, Vice-President; Sigma Phi Delta; Student Council; Reporter, Advertising Manager, Make-up Editor Technician; Advertising Manager Yearbook; Editor-in-Chief of Yearbook; President's List (2); Open House; Program Chairman of Christmas Convocation.

CIRO VIVAS, B.S.E.E.; Cali, Colombia; A.I.E.E.; Indiana Engineering Council.

STEPHEN M. WARNEK, B.S.C.E.; New York, New York; Pyramid Club; Kappa Sigma Phi, Corresponding Secretary; Bowling; Rifle Team; Baseball.

MASAO WATANABE, B.S.C.E.; Makaweli, Kauai, Hawaii; Pyramid Club; Hawaii Club; Vice President (2); Intramural Basketball, Swimming, Intra Frat, Softball; President's List (5); Honor Roll (1).

GRADUATES







Ouch



*'Tis better to have
loved and lost than never loved
at all*



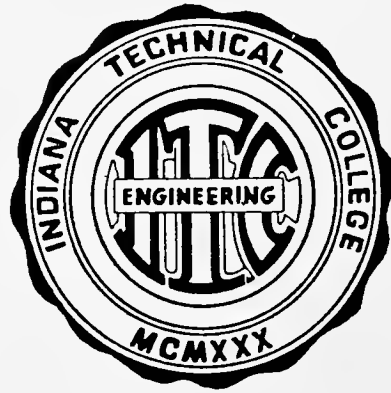
What's the score?



Take ten



*Indiana Tech
19??*



DEPARTMENTS



MR. RICHARD D. DERMER
MR. EUGENE MONTOYA, JR.
MR. JOHN WHITNEY



Left to Right: Mr. Richard D. Dermer, Mr. John Whitney, Mr. Eugene Montoya, Jr., Mrs. George Adams.

The Research-Development-Testing Laboratories of Indiana Technical College have been in operation for about $3\frac{1}{2}$ years. However, it was not until September of 1953 that a separate office was established.

Dr. A. T. Keene is Director of Research, Mr. Eugene Montoya is the Administrative Engineer in charge of the Research Department, and Mr. Richard D. Dermer is the chief consultant. Mr. John Whitney is the Head Development Engineer and Mr. Robert Morris is a Development Engineer in Mechanics. In addition to the above personnel, the Department Heads of the College act as Consultants. Twenty members of the faculty devote part-time to research and development projects and a total of twenty-five students have been employed by the department as of July 1954.

The RD&T Department has completed a total of 80 projects for twenty-one different industries.

RESEARCH DEVELOPMENT TESTING LABORATORIES



Mr. Paul Leightner working at
Automatic Dielectric Break-
down Test Set



Engineer Robert Morris on a machine
design project

BENJAMIN L. DOW

Assistant Chairman, Department of Aeronautical Engineering, B.S.Ae.E., Virginia Polytechnic Institute; Graduate Student, Johns Hopkins University; Jet Propulsion Research, Glenn L. Martin Co. Graduate Study, University of Michigan.

BENNETT L. KEMP

Aeronautical Engineering, and in Charge of Wind Tunnel, B.S.Ae.E., Indiana Technical College.

WALDO E. ALBERT, JR.

Aeronautical Engineering and Applied Mechanics, Olivet College; B.S.Ae.E., Indiana Technical College; Engineer, Curtiss Wright Corporation.



The field of Aeronautical Engineering is growing at an ever increasing rate. Daily new fields are opened and old fields broadened.

The training here at Tech enables its graduates to fit into every aspect of the field, from research to testing, from drafting to production.

The Tech graduate may major in structures, or aerodynamics, or propulsions.

Certainly any Tech man is well qualified to enter the phase of Aeronautical Engineering of his choice.

AERONAUTICAL ENGINEERING



DAVID DICKINSON
Chairman, Department of Chemical Engineering; A.B., M.S., Kansas State Teachers College; Ph.D., Chemical Engineering, Iowa State College.

JOSEPH W. CRANMER
Chemistry, B.S.Ch.E., Indiana Technical College; Undergraduate Work, Wheaton College.

WALTER JEZOWSKI
Chemical Engineering; B.S.Ch.E., Indiana Technical College.

Chemical Engineering, while among the youngest of engineering fields, has rapidly risen to the point where it shares, equal, if not greater importance with the other branches in the economy of the world. For if the chemical engineer should cease to be, all further progress in industries such as petroleum, metal extraction, magnesium, aluminum, titanium and many other diverse processes would no longer continue, if indeed, they would even maintain their present state of refinement.

As a result it becomes apparent that the chemical engineer is more than an engineer, for he must evince great proficiency in chemistry and the sciences in general if he is to successfully cope with the problems that confront him.

C H E M I C A L E N G I N E E R I N G



ROBERT C. RUHL

Dean, Chairman, Department of Civil Engineering; Chairman, Academic Committee; B.S.C.E., M.S.C.E., Purdue University.

WILLARD H. STEVENSON

Civil Engineering; B.S.C.E., Purdue University; Graduate School, University of Illinois; formerly Design Engineer, American Steel Dredge, Consulting Engineer.



The Civil Engineer had developed new methods and ideas to meet the demands of our present age. The developments in the various branches of engineering has created new problems in the design and construction of buildings, highways, airports, and other structures. Even though the oldest of the fields of engineering, it continues to grow and develop and provide opportunities for men of vision.

CIVIL ENGINEERING



The increasing utilization of electric power in this country makes immense demands on the professional Electrical Engineer. To analyze and solve Electrical Engineering problems, the Electrical Engineer must have broad knowledge in the mechanical, electrical and economic aspects of his field. His skill and creative ability transforms theoretical knowledge into practical service to make a more modern tomorrow.

ELECTRICAL ENGINEERING

RICHARD DERMER

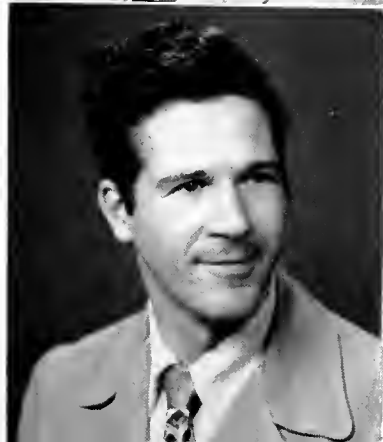
Chairman, Department of Electrical Engineering; B.S.E.E., Indiana Technical College.

EUGENE MONTOYA, JR.

Electrical Engineering; B.S.E.E., Indiana Technical College, Graduate Studies; Illinois Institute of Technology and Purdue University.

MAURICE SIMMONS

Electrical Engineering; B.S.E.E., B.S.R.E., Indiana Technical College.



IVAN PLANCK

Departments of Mechanical and Aeronautical
Engineering; B.Ch., B.Sc. in Ed., M.Sc., Ph.D.,
Ohio State University.

HOWARD A. MACKLIN

Mechanical Engineering; A.B., Huntington Col-
lege; M.A., Ball State Teachers College; B.S.
M.E., Indiana Technical College.

JOSEPH DOSS

Mechanical Engineering; B.S.M.E., Indiana
Technical College.



The Mechanical Engineer must be familiar with broad principles of Mechanical Engineering. He is a scientist, a mathematician, a draftsman, a designer, an originator, as well as an efficiency expert. The field of Mechanical Engineering is so broad that no man can be an authority on all its branches. For this reason, practicing Mechanical Engineers tend to become specialists in chosen branches.

M E C H A N I C A L E N G I N E E R I N G



The Radio Engineer is the mastermind in the field of Electronics, and to his inventive genius is attributed outstanding developments in such realms as color television, guided missiles, atomic energy, radar, and in all areas of Radio Communications. The Radio Engineering Department supplies the necessary background for its graduates to take their places easily and quickly in these exacting, important and demanding fields of modern Electronics.

RADIO ENGINEERING

RALPH S. CARSON

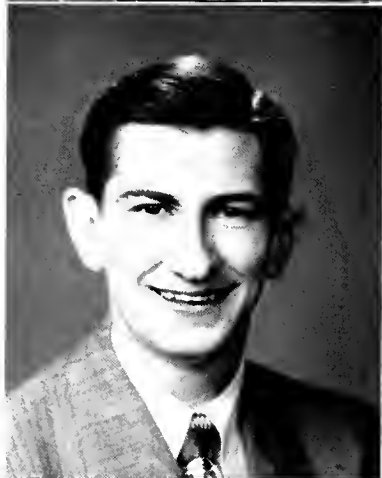
Chairman, Department of Radio Engineering;
B.S.E.E., B.S.R.E., M.S.E.E., Major in Com-
munications, University of Michigan.

ARTHUR B. PRICE

Radio Engineering; B.S.E.E., B.S.R.E., Indiana
Technical College.

HAROLD E. BAGGOTT

Electrical and Radio Engineering; B.S.R.E.,
B.S.E.E., Indiana Technical College.





Top Row, Left to Right:

CLYDE L. MELTON, Associate Dean in Charge of General Subjects. B.S. McKendree College; B.S.R.E., Indiana Technical College; graduate study, University of Illinois and Yale University; formerly Instructor of Radio at Yale University.

RALPH W. YOUNG, Chairman Mathematics Program. A.B., Ball State Teachers College; M.S., Indiana University; M.A., Lehigh University; Ph.D., University of Florida.

JOHN EDWARD JUNDT, Mathematics. B.S.E.E., Indiana Technical College; undergraduate work, Wheaton College.

CHARLES R. CARR, Mathematics. A.B., Science and Mathematics, Miami University; advanced study, Mathematics, Yale University; M.A., Mathematics, University of Michigan; formerly instructor, University of Michigan.

FRED H. CRONINGER, Mathematics. B.S., Heidelberg College; M.A., Columbia University.

Second Row:

MARY E. WEIMER, English. A.B., Wittenberg College; M.A., University of Pittsburgh; formerly instructor, Pennsylvania State College.

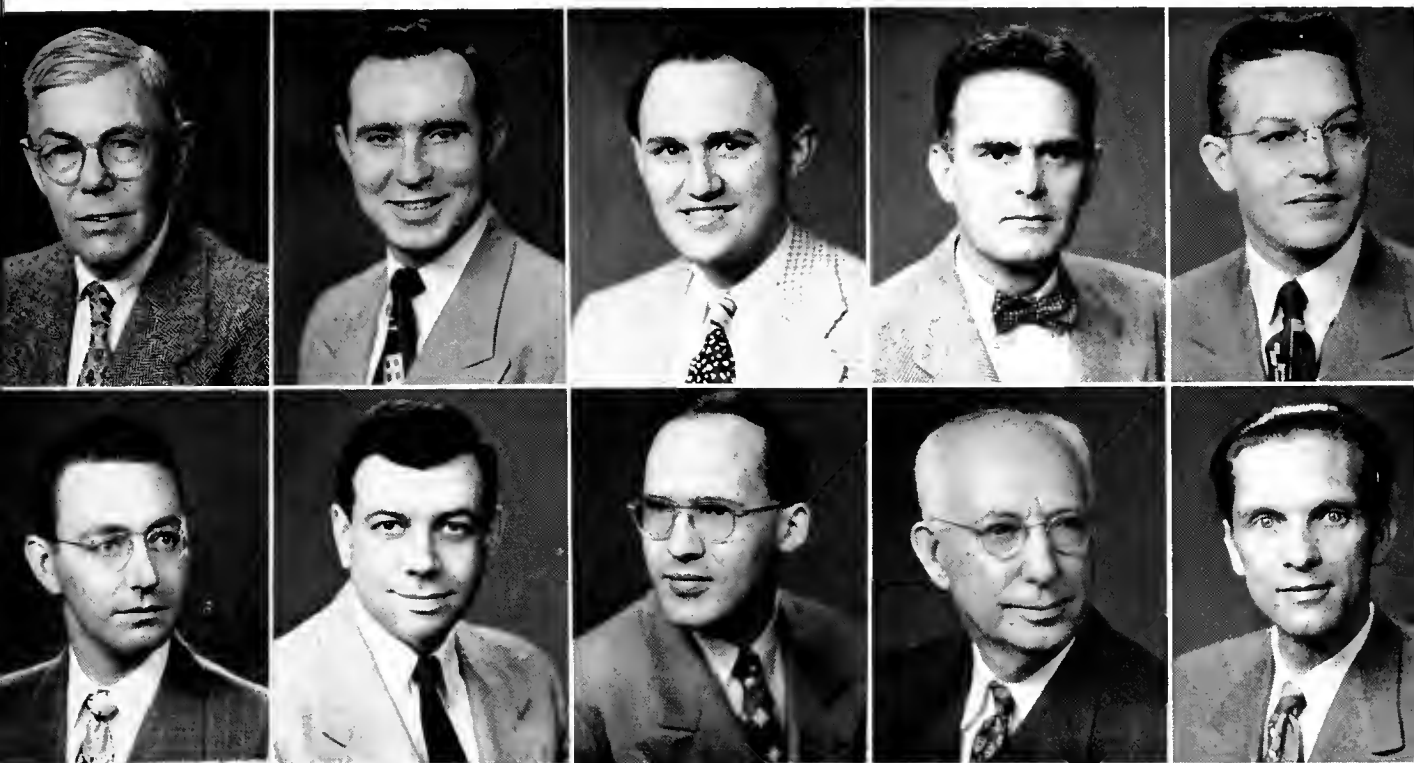
SARA R. STIRLING, English. A.B., Ball State Teachers College; M.S., Indiana University.

MRS. ELIZABETH SNOW WOLF, Mathematics. B.S., in Ed., University of Virginia; M.A. in Mathematics, University of North Carolina; graduate studies in Physics, University of South Carolina; formerly instructor of mathematics, University of North Carolina and University of South Carolina.

AUDREY L. RASMUSSEN, English. B.A., M.A., University of Buffalo; Ph.D., University of Wisconsin; formerly instructor at the University of Buffalo.

EARL D. MAYER, English. B.A., B.S. in Ed., M.A., Ohio State University.

GENERAL SUBJECTS



First Row, Left to Right:

GARVER C. WRIGHT, Mathematics and Chemistry. B.S., Mathematics and Chemistry, Ball State Teachers College.

ROBERT M. RIPPEY, Mathematics and Science. M.A., University of Chicago; graduate studies at M.E.T.

JOHN WHITNEY, Electronics. B.S.R.E., Indiana Technical College; Engineer, Indiana Technical College Research and Development Laboratories.

JAMES F. DUMAS, Engineering Law. LL.B., Indiana Law School; Attorney-at-Law.

NICHOLAS B. CORBA, Engineering Drawing and Machine Shop. B.S. in Ed., California State Teachers College; Ed.M., University of Pittsburgh.

Second Row:

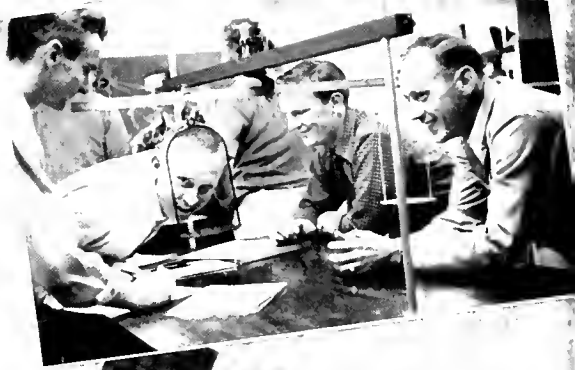
ROBERT MARSHALL, General Engineering Subjects. University of Denver; B.S.Ae.E., Indiana Technical College.

A. WAYNE SHEPHERDSON, Mathematics and Physics. B.S., Huntington College; M.S. (Math.), Michigan State College.

LEONARD R. ETTER, Science and Mathematics. B.S.Ch.E., Indiana Technical College; M.A. (Physics), Indiana University.

EDWIN J. GRAHAM, Industrial Management, Industrial Consultant. Formerly staff Assistant to the Manager, General Electric Company, Fort Wayne Branch.

GEZA S. GEDEON, General Engineering Subjects. M.E., Doctor of Aeronautical Science, Technical University, Budapest; awarded Jeremiah Smith Scholarship; formerly lecturer in School of Advanced Engineering Studies, Technical University, Budapest; Aircraft Design Engineer, Brequet Aircraft Corporation, Paris, France.



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ΑΓΥ



ΦΙΑ

ΚΣΦ



ΚΣΚ



ΣΦΔ

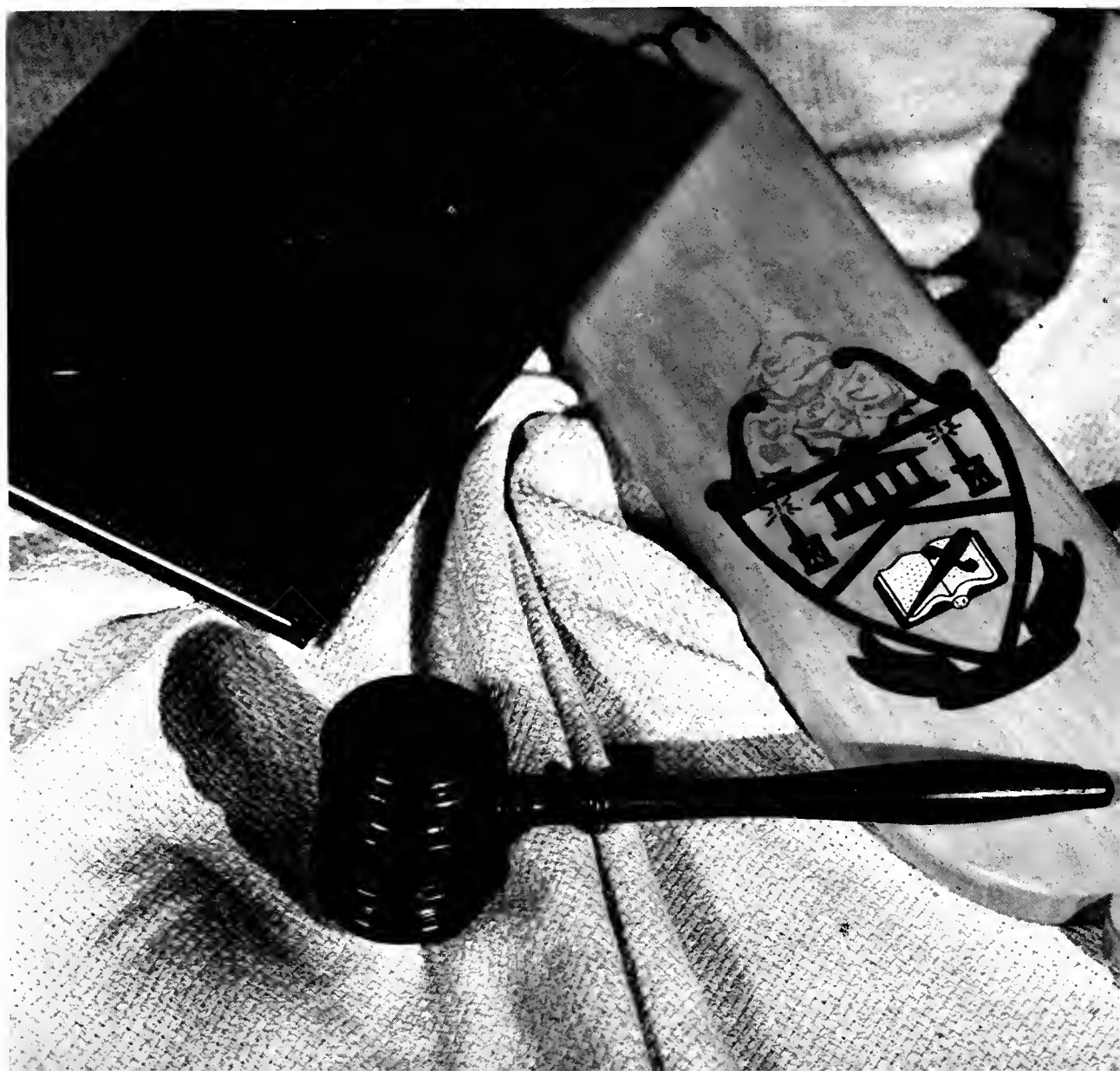


ΙΤΚ



Human Relations in engineering, as in any other profession, is a major factor. Participation in school activities is essential to build the well-rounded engineer who will have high potential in his field.

A C T I V I T I E S

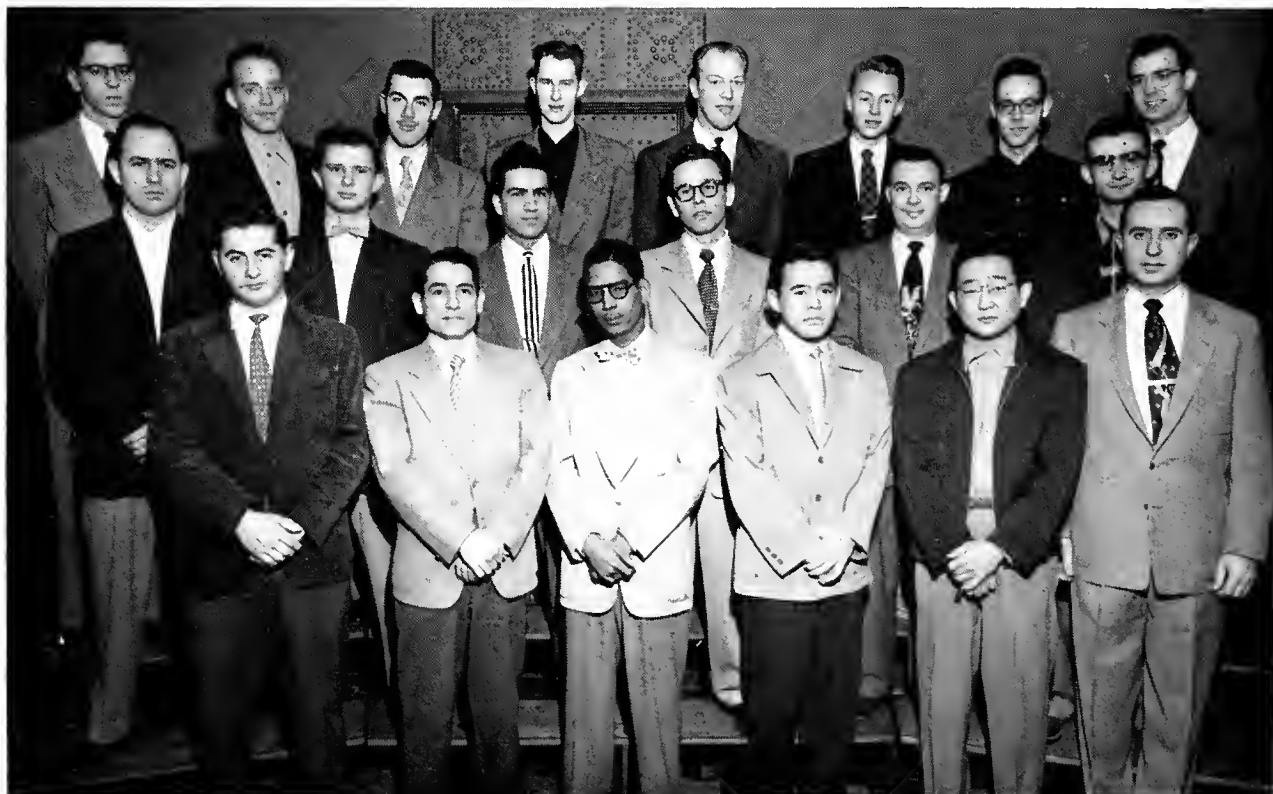


A. I. E. E.



The Electrical Association, which consists of students of the Electrical and Radio Departments, is affiliated with the Fort Wayne section of the American Institute of Electrical Engineers. Members may attend both section and association meetings. Professional Engineers from the surrounding area are the principal speakers, and they keep the members up to date with current facts in the field.

First Row: Jean Lebrat, Jose Maiz, R. A. Cunningham, W. W. Sakakura, T. Kutsoma, Mr. Rippey, Moderator. Second Row: V. G. Vaden, J. M. Fallon, A. M. Thahabeyah, M. Chaitoff, D. Tate, E. W. Dunn. Third Row: L. M. Bull, R. B. Stockton, S. Levine, D. J. Mokren, I. J. Levickas, W. G. Densford, H. E. Lee, E. J. Hatfield.





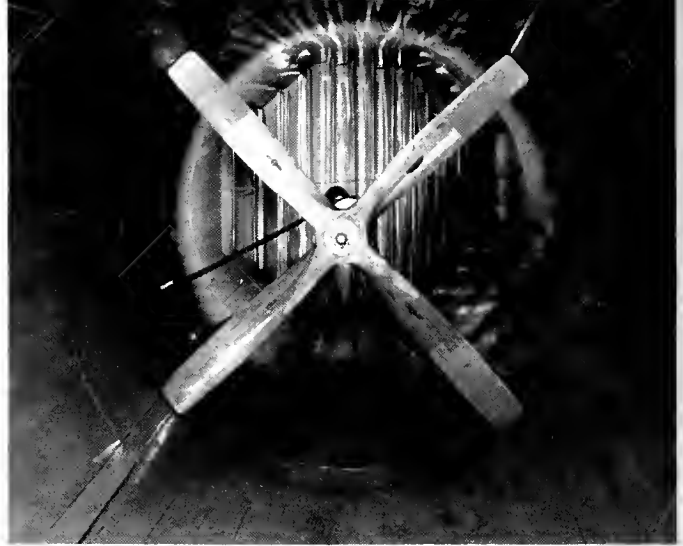
A. S. M. E.

The Mechanical Club, an organization representing the Mechanical Engineering Department, was organized at Indiana Technical College in January 1937. An affiliate of the Fort Wayne Section of the American Society of Mechanical Engineers, the objectives of the Club are to promote interest in the field of Mechanical Engineering and promote fellowship among the students of the department.

Seated, Left to Right: Durward Bradley, Theodore Kish, Dr. I. A. Planck, Norman Connell, T. Viattas. Standing, First Row: Jaczues Pierro-Louis, Vernis Meyer, Robert Bucher, Vincent Kapocius, Borhan Hawasly, George F. Khoury, Nasuh Khatib, Neal McCollom. Second Row: Ted Denning, Robert E. DeNure, Frank Whittington, Zephirin Caouette, Harvey L. Olmstead, George G. Murray.



I. A. S.



It was an eventful year for the Student Branch of the Institute of Aeronautical Sciences at Tech. To help promote professional consciousness and fellowship, as well as enlighten the members of the work being accomplished in the field, numerous field trips were made. The trips included Allison Motors, Chicago Museum of Science and Industry, Wright-Patterson Field, and Hartzel Propellers. The social activities for the year was a picnic to Pokagan Park during the summer and the annual banquet which was held during the winter term.

Seated on Table, Left to Right: Leroy Dimmick, Howard Hall, John B. Wright, Forest R. Straub, Mr. B. L. Dow. First Row: Roger H. Kauffman, Peter A. Radosti, Terry Welty, Elwood L. Krout, George Greeneberg, Jacob Askenazi, Bob Davis. Second Row: Walter W. Blake, Orby Putman, Joe A. Manning, Harvey L. Olmstead, Harold V. Coffman, Igor Jaremenko, Donald Poucher. Third Row: Edward Conn, Jr., J. McCurley, Joseph F. Iacovo, Harold Swallow, Kenneth Dale Poore.





A. C. S.

The ACS students affiliates of Indiana Technical College is a chapter of the National Organization known as the American Chemical Society which is the world's largest organization devoted to a single science. The purpose of this club is to create and stimulate interest among students of chemistry and chemical engineering and to help them academically and socially to become better qualified candidates for their future positions. Affiliation with this club prepares the student to enter one of the most challenging and interesting fields, one that in growth potential is now the premier of industry of the century—one that accounts for one-fifth of the total national product—one that offers many opportunities to well qualified men.

First Row: S. N. Hanna, G. Thomas, R. J. Araish, L. H. Guzman, E. K. Tan, Second Row: Dr. D. D. Dickerson, Mr. J. W. Cranmer, A. G. Karageorgiou, A. Iwen, R. G. Irwin, A. Petrovas, Third Row: J. A. Paton, H. J. Berg, J. M. Clontz, J. Fody, R. E. Calcagno, E. Mellado, M. E. Butler.



PYRAMID CLUB



Dating back to 1941, the Pyramid Club has had the distinction of being one of the outstanding organizations of Indiana Technical College. The encouraging feature, the goal of every Civil Department member, is to stimulate interest and study to all variations of the field.

Known to be the oldest of all Engineering branches, Civil Engineering, continues onward with the advancement and progress of the world. The club members thus keep in constant touch with progress attained in the field, and bind themselves together as a link to the future triumphs of a Civil Engineer.

The sponsorship of Mr. Ruhl and Mr. Stevenson, are capably guiding the success of the club. Those who served as the past year's officers were: Mr. Lockett and Mr. Storer, Presidents; Mr. Poslinski and Mr. Whitacre, Vice-President; Mr. Nunamaker and Mr. Turo, Secretaries; and Mr. Nash and Mr. Nunamaker, Treasurers.

Kneeling: Delmar Haines, J. B. Turo, Josef Poslinski, Nash Kayat, Frank Bettens, J. B. Gunraj, David Wilson, Roy Gibson. First Row, Standing: Woodrow Brock, Irving M. Fogel, Wm. Storer, C. L. Babu, G. B. Nenson, J. F. Matthews, Joe Grogan, Philip Tryon. Second Row: Marilyn F. Stone, Ronald C. Burton, Solomon Kramer, Donel Fisk, Guy Belanger. Third Row: Albert J. Roy, Glenn A. Brackney, Edgar English, William Whitacre. Fourth Row: Thomas Clark, James Hamby. Top Man: Mr. Willard H. Stevenson.





S. A. R. E.

The Student Association of Radio Engineers had a very active year in which many new developments in the field of radio and electronics were explored.

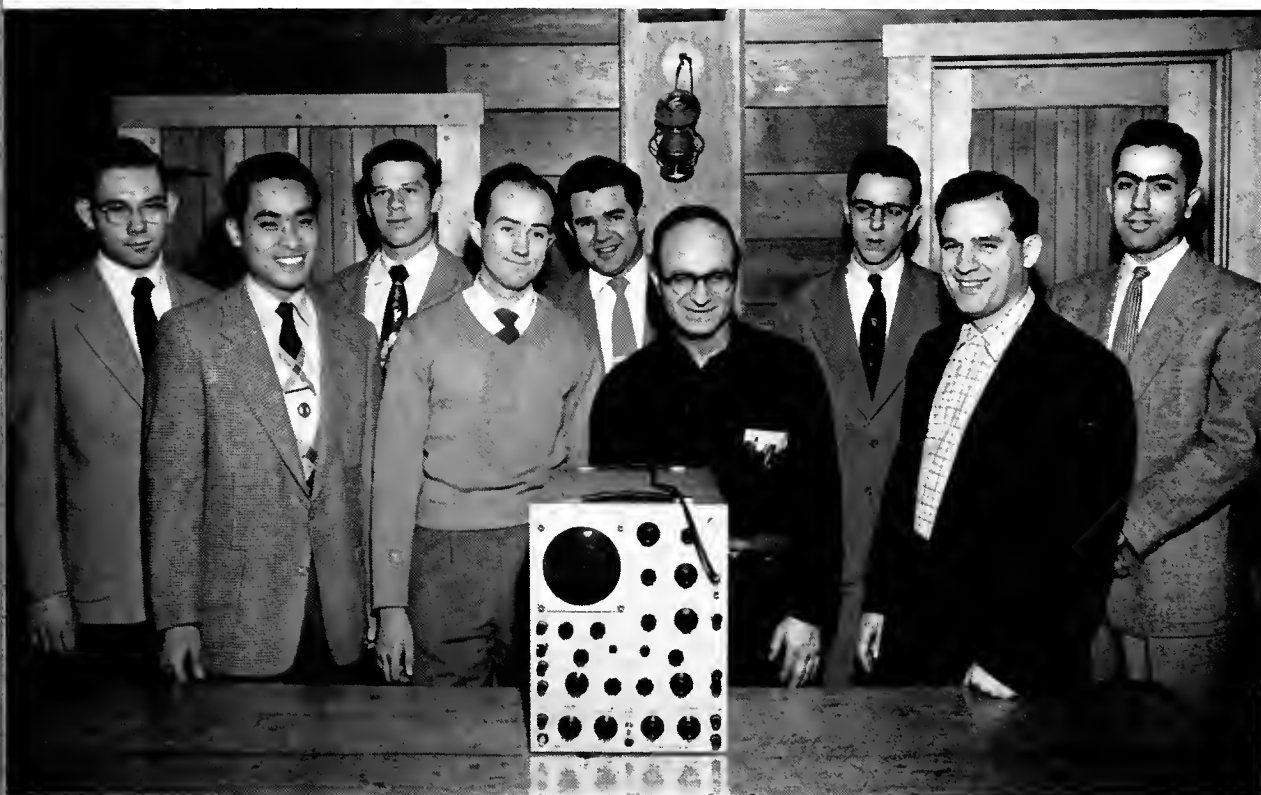
The highlight of the fall term of '53 was the National Electronics Conference which was held in Chicago. The S.A.R.E. attended this event in the form of a field trip. The very latest equipment in the industry was on display, and many advances were noted in all fields. Motorola had the showing of their color television sets, and needless to say drew the largest crowd at the conference.

During the winter term, transistors took the spotlight as the S.A.R.E. started a series of lectures on the subject. The first of these was presented by Mr. Joseph Cranmer, Instructor in Chemistry at Indiana Tech. Mr. Cranmer approached the transistor from the chemical make-up and structure.

Also during the winter term, the S.A.R.E. Review made its appearance. To appear quarterly, the "Review" carries a summary of term events, future events and interesting information for members of the S.A.R.E. as well as members of the Radio Department.

One of the major events of the spring term was a trip into space as Mr. Madison Cawein, local electronics engineer, presented his lecture on "Inter-planetary Space Travel" on April 15th. Requirements for the transmission of radio messages in space as well as plans for the first inter-planetary television network were presented.

First Row: R. W. Lee, J. R. Craven, F. Berger, C. Ferrario. Second Row: R. L. Haberstock, A. M. Gillen, W. P. Harris, L. M. Bull, A. Y. Anouchi.

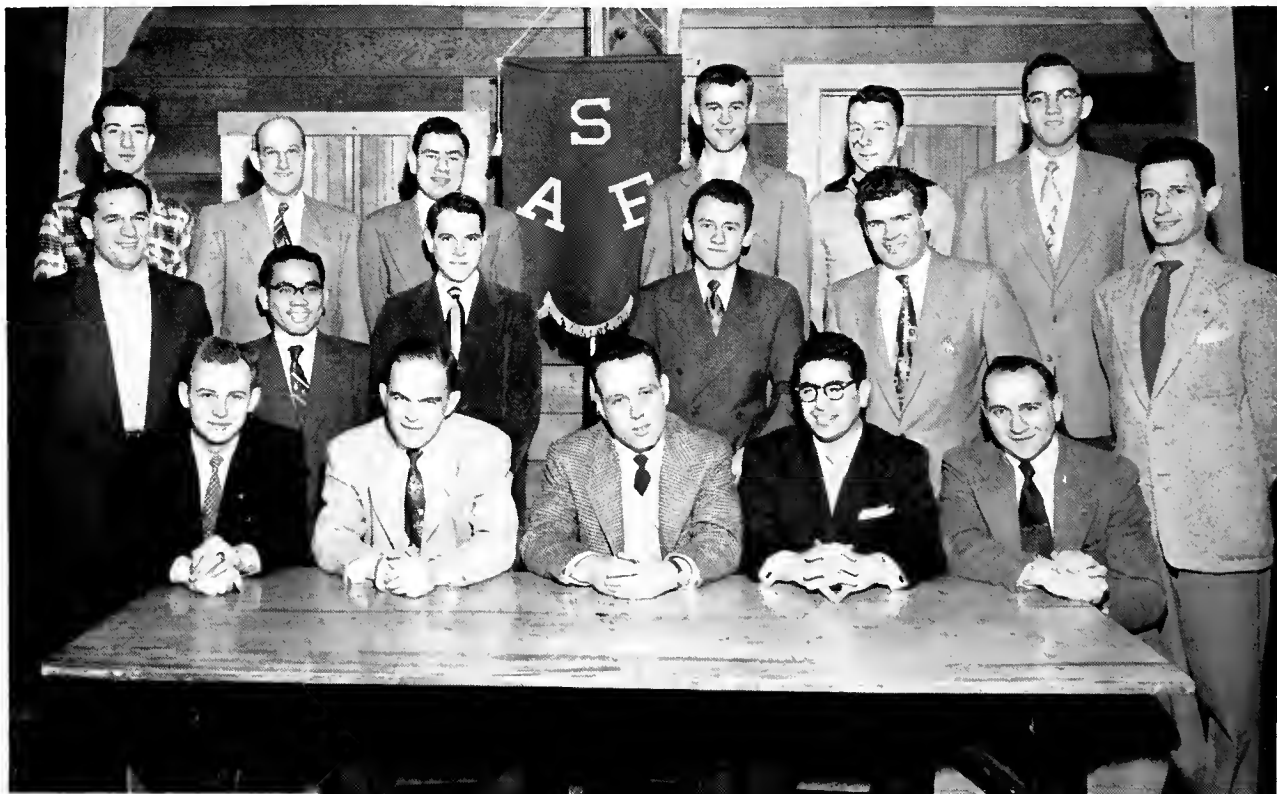


S. A. E.



The student branch of S. A. E. is an organization consisting of engineering students interested in some phase of the automotive industry. Students in all branches of engineering are eligible for membership in this student society. The objective of the S.A.E. is to familiarize the student members with the different engineering phases of the automotive industry.

Seated at Table: Ahto Vaga, Mr. Joseph Cors, Irving M. Fogel, Arnaldo Valencia, William Storer. First Row: Carl O. Ferrario, Carl Kane-shiro, Dick Magill, Manuel Stephanidis, Roger Kauffman, Peter R. Fatianow. Second Row: Frank Whittington, Edgar English, Vincent Kapo-cius, Gerald Bremmer, Tom Gamble, William Whiteacre.





K. A. R. C.

The purpose of the Kekionga Amateur Radio Club is to promote amateur radio activity among the students of ITC showing interest in the practical application of amateur radio communications, and to group these students together. K.A.R.C. is made up of members who are licensed by the federal government to operate amateur transmitters.

The club station W9BHR consists of a one kilowatt transmitter and a Hammerlund receiver. The station operates on the 80, 40, 20, and 10 meter amateur bands with either radio-telegraphy or radio-telephone. The transmitter was completely overhauled by the members the past year and is now operating very effectively.

First Row: Mr. R. S. Carson, W. J. Schrader, G. H. Shyrock, Mr. Rippey, R. Vitt, L. I. Parker. Second Row: R. Rockhill, D. A. Rayburn, E. H. Lockhart, T. E. Helderman, R. A. Simon, W. E. Berndt, J. D. Young. Not Shown: Glen McKinney.





First Row, Left to Right: Harold Swallow, Joe A. Manning, Gerald Bremmer, Treasurer; Howard P. Smith, Edgar English, President; Ted Denning, Secretary; Harold S. Romanowski, Vice-President; Norman Connell, Arnoldo Valencia. Second Row: Blaine Eddy, J. M. Dionne, William Whitacre, Richard M. Spooner, Ignace Levickas, Warren Campbell, Gerald Wilson, Vernon Sorenson, Donald Drung. Absent: Bill Myers, Elwood Krout, James Matthews.

STUDENT COUNCIL

The Student Council is selected by the entire student body and serves as the link between the students and the administration. The council sponsors dances and other social activities for the students and works with the other organizations of the college.

Organized in 1937 the Student Council consists of 16 members, two from each of the six departments and the four class presidents.



Seated, left to right: Miss Mary E. Weimer, Glenn Trefz, Mr. Robert Marshall, J. R. Turo. Standing, First Row: D. J. Meagher, Frank Buchwald, William Calderon, Frank Trahan, Norman Connell, Ozro F. Redding. Second Row: Huss Sway, Talat Farouk, Arthur Stantler, James Spittler.

These men, and the many others not pictured, derive much of their pleasure and relaxation from the thrill known as newspaper work.

The purpose of the "Technician" is to provide for the engineering students, faculty and alumni a source of information, well rounded in coverage of college activities pertaining to the engineers' interests: some of the latest developments reported by the nation's research organizations, news of alumni, reports of Tech's own research program, student written articles of particular interest, and news picture stories.

The first edition of "The Technician" was published in January 1932. It was then an eight by eleven mimeographed sheet. Since then "The voice of the students," a monthly newspaper, has grown with the school. The staff, comprised of students interested in journalism, has also increased proportionately.

T H E

T E C H N I C I A N



Seated: Miss Lee Ann Neidhardt, Bill Mathews, James A. Foerster. Standing: Pete Fatianow, Irving M. Fogel, Joe Gronda, Tom Phillips, Harold Mauk, Neal McCollom.

it in such a way that you will be able to leaf through its pages years from now and have a complete picture, both in photographs and words of the days which you spent at Indiana Technical College in 1954.

The style is different, the presentation is different, the color of the printing is dif-

ferent, and the cover is different from previous yearbooks you have seen. We have tried new ideas, some may be good, some may be bad; however, if through looking at its photographs and reading its copy, you have been entertained, then we will have achieved our principal goal.

OFFICERS FOR 1954

MISS LEE ANN NEIDHARDT Secretary
 BILL MATTHEWS Advertising Editor
 JAMES A. FOERSTER Assistant Editor
 PETE FATIANOW Assistant Make-up

IRVING M. FOGEL Publicity Manager
 JOE GRONDA Sales Manager
 TOM PHILLIPS Assistant Make-up
 HAROLD MAUK Assistant Make-up
 NEAL MCCOLLOM Assistant Write-up



Left to Right: Mr. Joseph Dors, Ignace Levickas, Adelbert Gillen, Abraham Anouchi, Robert Ross, Mr. R. C. Ruhl, Zephirin Caouette, Edward Hatfield, Jr.

Recognizing the need of a means of rewarding outstanding scholastic achievements, Indiana Technical College in September of 1942 inaugurated an honorary scholastic fraternity symbolizing "Industry," "Truth," and "Knowledge" by the Greek letters "Iota Tau Kappa."

Dr. Merl Renz, the original faculty moderator and the principal advocate of the fraternity, was succeeded in 1945 by Dean Robert C. Ruhl, who still acts in that capacity.

At the present time ten faculty men and seven students comprise Iota Tau Kappa. Since its existence only 173 students have been enrolled, which makes the student membership seldom exceed 3 per cent of the student body.

IOTA TAU KAPPA



First Row, Left to Right: Mr. Wayne Shepherdson, John R. Quigley, John G. Mullin, Kerns E. Rowe, J. Andy Chomo, H. A. Melkonian, Raymond S. Beight. Second Row: Larry Nofziger, John Hudock, Ralph Haberstock, Roger Kammeyer, Ray Calcagno, Frank Trahan, Wm. Schrader, Kenneth Poore. Third Row: Glenn Trefz, Robert Kay, William McPherson, Gene Peotter, George Ralich, Richard Reynolds, Ozro Redding, Albert J. Roy, Allen C. Jackson.

Only under the capable direction of Mr. R. S. Beights could the voice of the "Male Chorus" blend so perfectly. Much of Mr. Beights success is due to his wonderful personality which enables him to achieve the best work from his singers.

The Male Chorus is composed of students who enjoy choral singing. Organized in the winter term of 1946 and becoming an active organization in the fall of 1947 it has taken part in all the outstanding function at the college and provides entertainment for various groups in and around Fort Wayne.

MALE CHORUS





Seated at Table: Leroy Dimmick, Peter R. Fatianow, Harvey L. Olmstead, Harold V. Coffman, Henry E. Styne. First Row: Irving M. Fogel, Terry Walty, Joe A. Manning, Joseph F. Iacovo, Harold Swallow, Donald Poucher, Gerald W. Schmucker, Borhan Hawasly, James A. Foerster. Second Row: Jack McCurley, John B. Wright, Solomon Kramer, Igor Jaremenko, Donald C. Valkema, Patrick S. Burke, John M. Hudock, Donald M. Culp, Charles D. Kyler.



The Indiana Technical College Flying Club had an active and successful year with an unusually large increase in membership.

The officers of the club are Harold Coffman, President; Leroy Dimmick, Vice-President; Henry Styne, Secretary; Peter Fatianow, Treasurer, and Dr. Geza Gedeon, Faculty Advisor.

In the fall of 1953 a Luscombe airplane was purchased by Harvey Olmstead and Harold Coffman who are licensed instructors for the club.

Among the club's achievements for the year was the adoption of a Flying Club Emblem. This was designed by Patrick Burke, who earned a half-hours instruction for his efforts.

Composed of a group extremely interested in their activity, the Flying Club has appealed to the students desiring to learn to fly, and has developed an efficient program for those interested in gaining a private license.

FLYING CLUB



Seated, left to right: Leonard Tonn, Vice President; James Craven, President; Mr. John Junor, Eugene Fife, Secretary-Treasurer. Standing First Row: Bob Lee, Wm. Schrader, Maurice Ingmire, Nasuh Khatib, Mr. E. Montoya. Second Row: Ralph Habersrock, Roy Calcagno, Otto Redding, Richard Reynolds, Dan Bilodean, Joe Manning, Wayne Hogg.

The Camera Club of Indiana Technical College offers membership to students interested in all phases of photography. Darkroom facilities are available, enabling members to process films and prints. Individual instructions in darkroom procedure and in other photographic principles are given by experienced club members.

CAMERA CLUB





Seated, Left to Right: Thomas Asato, Earl Ogawa, A. Price, Tom Kitano, G. Takehara. Standing, First Row: Satory Takeshita, H. Fujii, G. Nakasone, R. Hayoilin, C. S. Ida, Eishin Akamine, Carl Kaneshiro, E. Nakakura, H. Shimiza, Eustaquid Agbulos, Wm. Igawa, Juan Perez, F. Tanaka, W. Murakami.

Organized during the winter term of 1950-51 school year, the Hawaiian Club is composed of students from the Hawaiian Islands. Its primary purpose is mutual assistance during the course of the members' undergraduate study. The club is very active in intramural competition but the highlight of the organization's activities is the annual ITC open house project in which the club participates with a typical Hawaiian display of tropical flowers.

HAWAIIAN CLUB



Kneeling: Ernest Tan, Arnold Cowan, Curtis Collins, Wm. Schrader. Standing: Frank Whittington, Albert Roy, Henry E. Wahl (Coach), Igor Jaremenko, Alfred Knoll.

Indiana Technical College can boast of having one of the few collegiate fencing teams in the country. In intercollegiate fencing matches Indiana Tech's team is matched with the top teams of the Midwest. Team members receive competent instruction in the art of fencing with the foil, epee, and sabre. Membership in the club is offered to any interested student.

F E N C I N G C L U B



For the men of Alpha Gamma Upsilon, the first full year in their new four-story fraternity house proved to be quite an eventful one. Probably the most significant event was the National Convention, sponsored by Beta chapter and held in the Van Orman Hotel, April 30, May 1, and 2. Another important date was the Fall Banquet and Alumni Ball held this year at the Orchard Ridge Country Club. This event was very well attended, with National officers present.

During the year many projects were undertaken by this group. Among these were house improvements and minor alterations. An annex was completed, making room for five more students.

Alpha Gamma Upsilon participated in ushering at the Commencement exercises. Rides were provided for children to the Shrine Circus. A schedule was set up to provide guides for new students coming in and wishing to see the college.

Two interchapter basketball games were played, one with Delto chapter of Flint, Michigan, and the other with Lambda chapter of Tri-State College. The local chapter also participated in the Indiana Tech bowling and softball leagues.

In April, the Alpha Alpha Pi auxiliary sorority was reorganized to conduct the ladies' affairs at the National Convention.

The fraternity spirit is really catching on and with the move to the new campus will certainly continue to grow. That the A. G. U. men have this spirit is evidenced by the many projects, parties, banquets, and dances they have held during the past year. Any of them will tell you the difference between a fraternity member and a "fraternity man."

A G Y

ALPHA GAMMA UPSILON

First Row: Dick Sutton, Blaine Eddy, Jerry Sardella, Mauri McGee, Alan Johnson, Carl Crandall, Jim Oxenford.

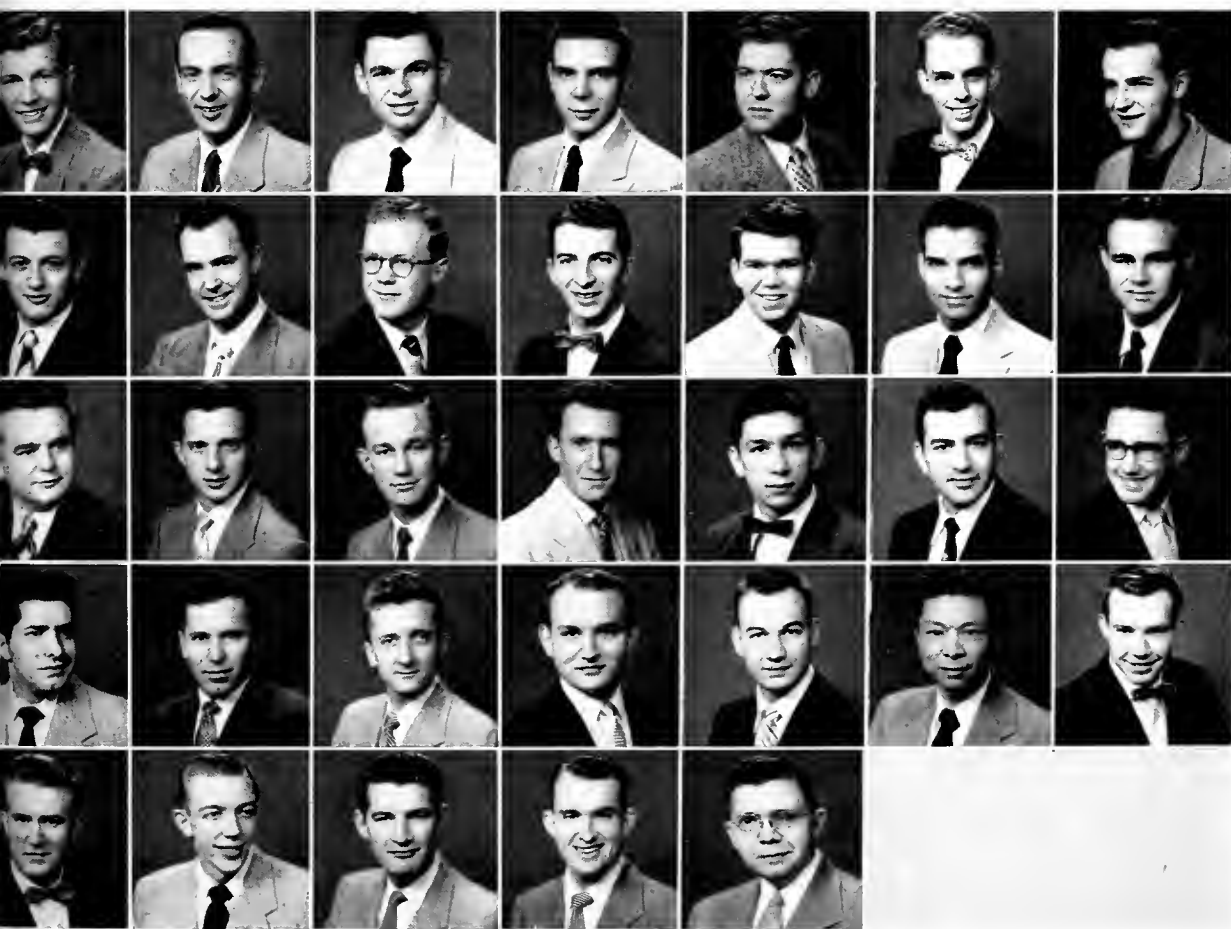
Second Row: Joe Iacovo, Ray Navin, Dick Crider, Bill Myers, Ed Adams, Mario Ecker, John Beckman.

Third Row: Fred Torstrop, Ed Abbott, Bill Berndt, Jack Locklair, Joe Marks, Tom Vlattas, Dave Kessler.

Fourth Row: Basil Vangeli, George Nenson, Paul Kosmatka, Bill Mathews, Bill Hoegler, Eng Shun, Sam Zuercher.

Fifth Row: Dick Spooner, Dick Schlund, Jerry Edwards, Bob Ross, Dr. Ivan Planck.

Not Pictured: Bob Sutton, Alfred Johnson, Soumi Ford, Nick Szabat, Dick Reynolds, Dick Erickson, Chuck Lyle, Ron Rice, Max Baumgardner, Jim Foerster, Ty Bilik, Harold Baggott, Ben Dow.



KAPPA SIGMA KAPPA

Top Row: Abrahamian, Auther, Butler, Catron, Blake, Clark

Second Row: Gross, Gronda, Haines, Mr. Jezowski, Kauffman, Schmucker

Third Row: Kenefick, Malecky, Mariani, Ouellet, Sellers, Denning

Fourth Row: Small, Burke, Stuart, Tullo, Valkema, Kutsuma

Last Row: Bagnasco, Elie, Choma, Kennedy, Trahan, Robling





TOM BROWN TAKEN INTO KΣK

Tom Brown, a man everyone at Tech knows, at least by sight if not by name, is more than a simple janitor. "Tom Brown" is a simple name for a humble man; a man who works simply to get away from idleness, a man whom the men of Kappa Sigma Kappa thought fit and highly qualified to become an honorary member of the fraternity.

On November 8, 1946, the Sigma Chapter of Kappa Sigma Kappa was founded at Indiana Technical College. Their circle of Brotherhood is closely knit together by ideas of trust, mutual confidence, and fraternal cooperation.

The aims of this social fraternity is the contributions of its brothers toward higher achievements in scholarship and the joint participation in all extra-curricular activities.

K Σ K



"Gimmicks," John Yankanich, Bob Bass, Bob Murphy, Emin Holley, and Louis Lacona.

Kappa Sigma Phi is a social fraternity of college men, and, since organization of this type have been assuming increasing importance with each passing year, it has always been the desire of every Kappa Sigma Phi member to help his fraternal brother whenever he can, and to be of service to his community.

The founding of the Kappa Sigma Phi Fraternity was a result of the efforts of a group of Fort Wayne college students who wanted to form their own social group to meet members of the various social organizations throughout Fort Wayne. The Fraternity was incorporated on November 27, 1946. The charter members and the offices which they held at that time are as follows: Jack Gren, President; Earl Hardy, Vice-President; Robert Baade, Secretary; Luther Colvin, Treasurer; Eldon Clevenger, Sergeant-at-Arms. Other members were: Richard Phillips, William Thurber, Foster Cross, and Paul Bandelier. Charles E. Dare of the International Business College is sponsor, and holds an honorary membership in Kappa Sigma Phi. Mr. Raymond Warden of the Indiana University Extension Center (Fort Wayne) gave valuable advice and assistance in the formulation and operation of the Fraternity.

In October, 1950, the Beta Chapter of Kappa Sigma Phi was officially recognized by Indiana Technical College. Every member of Kappa Sigma Phi is motivated by an ideal for continued growth, and a readiness to promote good fellowship, sportsmanship and scholarship in his community, wherever it may be.

K Σ Φ

K A P P A S I G M A P H I

First Row: R. Magill, W. Pauley, R. Fulayter.

Second Row: W. Hwosley, O. Kyler, L. Dranchak, H. Shopsky, G. Bednar

Third Row: L. Meyer, A. Headsky, P. Hammond, K. Giles, R. Henry

Fourth Row: D. Weaver, M. King, W. Jones, D. Drung, R. Marshall



P H I I O T A A L P H A

First Row: Frank A. Carrancejie, Carlos Velasquez, Virgilio Centeno, Rafael C. Diaz, Conrado Fernandez, Batuel Morales.

Second Row: Rafael A. Cunningham, Isaac Gilinski, Jr., David Munne, Pascual Negroni, Raul Murciano, Douglas Maffi-Dodds.

Third Row: Rolando Rodriguez, Antonio Romero, Henry Scott, John Suri, Alberto Valdez, Osvaldo Eliseo Mariani.

Fourth Row: German Rubio, Luis Guzman, Fernando McLean, Carlos Borbolla, Alfredo Sinibaldi, Fernando Garcia.





Reading left to right: Henry Scott, Batuel Morales, Luis Guzman, Osvaldo Eliseo Mariana.



Reading left to right: Henry Scott, Batuel Morales, Luis Guzman, Osvaldo Eliseo Mariani, Virgilio Centeno, Rafael C. Diaz.

Phi Iota Alpha is a national Fraternity representing Latin American students in the United States. It strives for a better union of all Latin American countries and for closer relations with the United States. In Indiana Technical College it is an important source of help for the Latin American students in learning the U. S. customs. Fraternity advisors are Dr. Howard Smith and Mr. Edwin Graham.

Φ | Α

S I G M A P H I D E L T A

The Lambda Chapter of the Sigma Phi Delta Fraternity is an international organization of professional engineers and engineering students.

The object of the Sigma Phi Delta Fraternity shall be to promote the advancement of the Engineering Profession; to foster the advancement of Engineering Education; to instill a greater spirit of cooperation among Engineering students and organizations; to inculcate in its members the HIGHEST ideals of Christian manhood, good citizenship, obedience to law, and brotherhood; and to encourage excellence in scholarship.



S I G M A P H I D E L T A

Top Row: Joseph L. Perez, Melvin W. Garlotte, Jack G. Conway, John B. Wright, Harold E. Lee, Theodore Kish.

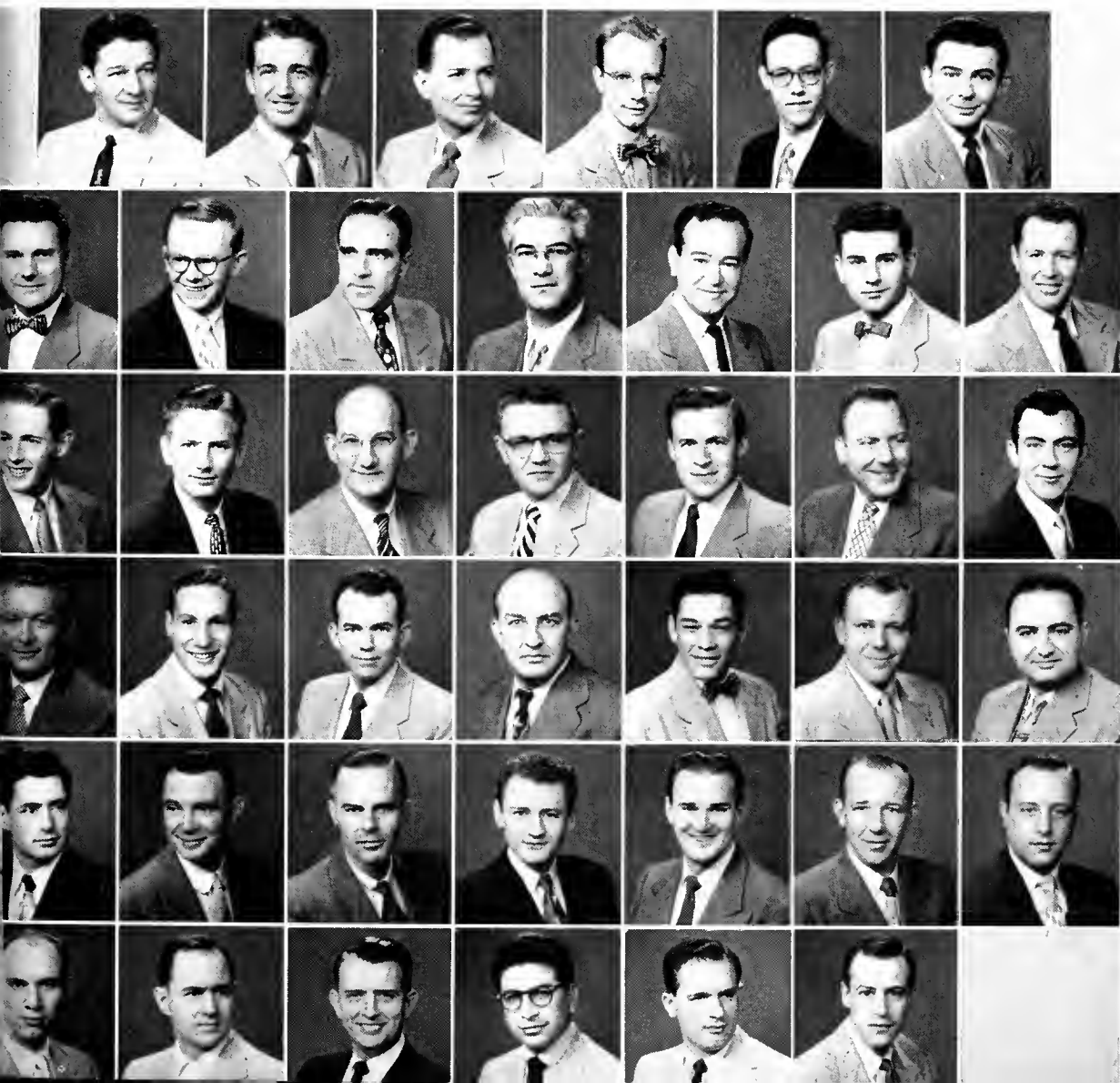
Second Row: Harold S. Romanowski, Don J. Kassner, Edmund J. McMahon, Emanuel V. Flagella, Homer L. Bechtel, Richard E. Filarskey, Donald D. Daddow.

Third Row: Francis Robbins, Walter A. Peterson, Kenneth English, Harry L. Peterson, Vernon Sorenson, Allen Clendenen, Pat E. Marron.

Fourth Row: Harrold J. Weseli, John B. Turo, William E. Jones, Norman Connel, Edwardo Mellado, Henery A. Thompson, George Lashinsky.

Fifth Row: Harold V. Coffman, Donald Tate, Carl N. Redfield, Manuel S. Stephanidis, Louis F. Richards, Robert D. Fowler, Frank V. Gross.

Bottom Row: Harvey J. Berg, V. G. Vaden, Warren D. Campbell, Arnold D. Valencia, Carl Ferrario, John E. Jundt.





Thanks to a new policy in Athletics in which Murray Mendenhall is a major influence together with the Alumni Association, Tech's sports activities are improving. The facilities at Tech's new campus should enable the college to make a fine reputation in the field of collegiate athletics.

ATHLETICS





Team, Kneeling, Left to Right: Bill Sapp, Phil Gustin, Keith Mendenhall, Mauri McGee, Max Baumgardner, Gerald Blackwell, Don Rudolf. Standing, Left to Right: Thaddeus Kurek, Frank Seasholtz, Ronald Rice, Al Fryler, Tom Gillie, Melbourne Surette, Joseph Freeland, Coach Mendenhall.

COACH MURRAY MENDENHALL



The 1953-54 basketball team coached by the very likable old gentleman of the sport, Murray Mendenhall came up with the second best season to be written into the books at Tech. Posting seven victories in twenty outings aided the rise to the runner up slot of past seasons performances, something rewarding for a completely new group of boys.

Opening the season with one letter man and one player of last season's squad, many new faces filled the suits of the Orange and Black uniforms. Mauri McGee, letterman guard, and Al Fryler, 6-5 center, were coach Mendenhall's hold overs with experience to bank on, but the capable mentor floored the scrappiest



Tom Gillie controls rebound under Concordia basket

team that carried the school's name into many a good battle. The close scoring games, the boys were defeated by, was evidence enough that they could play together.

With the winter term beginning in early December, even more new faces filled the Engineer's basketball ranks, included Keith Mendenhall, Don Rudolf and Tom Gillie. Other high school stars teaming with former new comers were Bill Sapp and Max Baumgardner. This quintet then made up the first team and the results started mounting.

A loss to Tri-State early in the season left the "Bulging Boiler" in their possession again for the fourth straight year, but the

return of Baumgardner, Sapp, Mendenhall, and Rudolf; top four scorers of this season's squad brightens the outlook of its return to our show case.

To prove these boys have what it takes, in another early season defeat to Huntington College 96-69, the Techmen completely reversed the score in a sweet revenge return victory. The scoring was evenly balanced among all members of the team in that game.

A look back over this new team of coach Murry Mendenhall's second tenure of duty with the school, leaves bright prospects for the coming season or two, since only McGee will be lost from the team. It does look like the runner up spot will be certainly surpassed in 1954-55.

B A S K E T B A L L



Bill Claypool reaches out for loose ball off boards

Max Baumgardner

BASKETBALL SCHEDULE

Nov. 20—Anderson College
 Nov. 24—Taylor University
 Dec. 2—Ohio Northern
 Dec. 4—Earlham
 Dec. 5—Defiance
 Dec. 8—Tri-State College
 Dec. 11—Huntington College
 Dec. 15—Giffin
 Dec. 16—Bluffton College, Ohio
 Jan. 8—Lawrence Tech
 Jan. 12—Concordia
 Jan. 15—Vincennes
 Jan. 16—Bluffton College, Ohio
 Jan. 19—Giffin
 Jan. 22—Huntington College
 Jan. 28—Anderson College
 Feb. 5—Concordia
 Feb. 13—Tri-State College
 Feb. 17—Defiance
 Feb. 20—Manchester College
 Won 7.
 Lost 13.
 Percent .350.

53	H	97
64	T	93
78	T	73
61	T	68
66	H	71
77	T	85
69	T	96
83	H	75
60	T	71
55	T	73
67	T	61
75	H	83
77	H	89
74	H	70
95	H	69
79	T	91
62	H	64
75	H	60
72	T	63
68	T	78



BASKETBALL SCORE BOARD

INDIVIDUAL RECORD FOR INDIANA TECHNICAL COLLEGE BASKETBALL TEAM FOR
THE SEASON OF 1953-1954

NAMES	Games Played	Field Goals			Free Throws			Fouls	Total Points	Ave. Points
		Att.	Made	Pct.	Att.	Made	Pct.			
Baumgardner	20	268	87	.325	129	76	.589	65	150	12.5
Sapp	16	209	81	.389	111	69	.622	43	231	14.4
Mendenhall	18	251	89	.355	89	48	.539	71	226	12.6
Rudolf	18	161	74	.435	71	39	.549	53	187	10.3
McGee	20	171	53	.310	80	43	.538	68	149	.75
King***	11	88	40	.466	25	17	.680	13	97	8.8
Gillie	18	67	29	.433	69	30	.435	44	88	4.9
Powell	15	118	30	.254	32	24	.750	16	84	5.6
Freyler	17	47	16	.345	27	10	.370	40	42	2.8
Gustin	13	27	10	.370	12	3	.250	6	23	1.4
Claypool***	2	16	4	.250	6	1	.167	5	9	4.5
Marks***	2	21	3	.143	1	1	1.000	4	7	3.5
Freeland	3	2	0	.000	6	3	.500	1	3	1.0
Rice	5	7	2	.286	5	3	.600	6	7	1.4
Csentsitz***	1	4	1	.250	0	0	....	3	2	2.0
Seasholtz	2	2	1	.500	2	0	.000	1	2	1.0
Blackwell	5	9	1	.111	0	0	....	4	2	0.4
Oxenford***	4	2	0	.000	1	1	1.000	1	1	0.3

Note—***—Dropped from team before end of season.

Highest points scored by Bill Sapp against Defiance College (31).

Lowest score by opponents by Concordia College (61).

Highest Team points scored against Huntington College (95).

Lowest opponent field goals by Defiance College (20).

Lowest opponent free throws by Concordia College (8).

Highest team field goals scored against Huntington College (33).

Highest team free throws scored against Huntington College (29).

TEAM RECORDS

Played 20 games, attempted 1,460 field goals, made 521 for a .384, attempted 666 free throws, made 368 for a .553, made a total of 1,410 points and an average of 70.5 points per game. Committed 444 fouls. Won 7 and lost 13 games for a .350 average.

Opponents made 552 field goals, attempted 713 free throws, made 434 for a .608, made a total of 1,538 points and an average of 76.9 points per game. Committed 411 fouls.

Coming down with ball



Bill Claypool's ballet reach



Opening the 1953-54 basketball season, a hopeful outlook was placed upon a new team with a variety of high school stars on it, just freshmen in Tech. The first game was a bitter defeat, but it brought the boys together knowing that they must play together. The end of the campaign surely had all hopes answered.

Anderson marred the opening with a runaway in the scoring, but although they did manage a second victory January 28, they worked hard for it.

The second game was played against a powerful Taylor team on their home court and the showing was improved, and then Ohio Northern fell victim number one on December 2. In this game the players Don Rudolf, Tom Gille and Keith Mendenhall made their first appearance. It certainly was not their last.

Three close games were then dropped including Earlham, Defiance, and Tri-State, all of which

Al Flyler reaches out for rebound



MAX BAUMGARDNER
KEITH MENDENHALL
TOM GILLIE
MAURI MCGEE

HARDWOOD PLAY

with a break in favor of the boys would have been theirs.

Huntington then hit the Engineers with another bitter lacing, but the rematch found fate on our side of the fence. Probably not in a lifetime does one see as complete a reversal as did these boys in their sweet revenge game. It will be long remembered.

Griffin then fell to the boys for their second prey, and again January 19 Tech won over them. This was victory number four.

Bluffton and Lawrence Tech then pulled decisions away from the Orange and Black, but in the first city series game, the Engineers stopped Concordia College 67-61. The Concordia boys did however win an exciting 64-62 verdict over Tech in the second match.



BILL SAPP
DON RUDOLF
CHUCK POWELL
AL FRYLER
PHIL GUSTIN

IN REVIEW

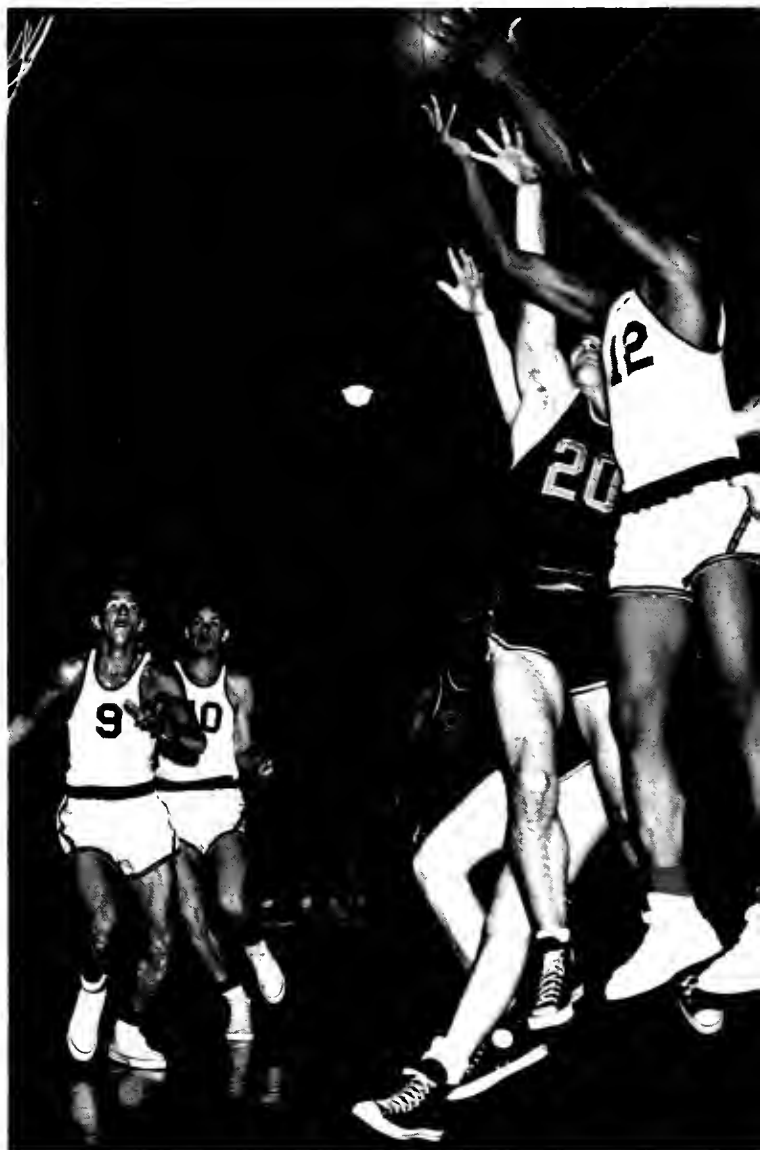
Vincennes University won a rather odd game over Tech strictly from the foul line. They hit on 75% of their charity tosses.

Bluffton again put loss on the record in a teamed up doubleheader at Concordia College gym Saturday, January 16.

In the homecoming game, the Engineers stopped Tri-State's bid for a clean sweep of year's outings and showed them what's in store for next year.

Then in winning the runner-up game against Defiance College, Bill Sapp set the season's high individual scoring with 31 points.

The last game of the season went to Manchester College, but the ground work for next year has been laid. Four top scorers and many others will be back.



Don Rudolph going up in vain



Goalie Hurry—Indiana Hoosiers at Bloomington, Indiana



Field play in game with Hoosiers at home



Head block of Tech scoring drive

Playing as a team for the second year, the 1953 Tech's soccer team encountered Purdue University and Indiana University, and gained one impressive victory in three clashes.

Intercollegiate competition arranged for the members of this yearling team, made up mostly of foreign students, proved satisfactory again this year.

Journeying to the Purdue University campus in Lafayette, Indiana, the kickers dropped a close game to the Boilermakers. The final score read 11-4. Lewis scored for the Tech men.

October 31, found the Indiana University soccer team visiting the Summit City for a game with the team. The afternoon proved to be an exciting one, as the Tech Engineers

S O C C E R

SOCCER TEAM

Kneeling, Left to Right: Davis (USA), Lature (Haiti), Pantoua (Peru). Second Row, Left to Right: Bristel (B.W.I.), Lebrat (France), Thahabeyah (Lebanon), Samuels (B.W.I.), Alarcon (Venezuela), Brownell (Liberia). Back Row: Coach Murray Mendenhall, McKenzie (USA), Hasmitall (Trinidad), Lewis (B.W.I.)



edged the Hoosiers in a closely fought battle, 4-3. Lewis again led the kickers with three goals.

In the final game of the season, the team traveled to Bloomington, Indiana, and played the University of Indiana on its home campus. The outcome was in favor of the homesters, 6-4; but the Hoosiers had to really sweat out the victory.

Coach Murray Mendenhall who led the boys as its mentor, was heard to comment, "Those boys have a lot of spirit and with more practice and experience they'll be unbeatable."

The boys will have their chance, so look for better and more soccer next year.



Left to Right: Benjamin Dow, V. G. Vaden, George McCauley, Howard Hall, Richard Crider, Elwood Krout.

The start of the 1954 golfing season saw only two linkmen returning from last year's team. E. Krout and D. Crider were the returning divit diggers with new comers G. McCully, V. Vaden and H. Hall rounding out the other three positions.

Tri-State was the first to feel the arrows of the Indians when, on the first outing, Tech scored a 12 to 3 victory over their rivals from up state. The Tomahawks were then out for Concordia when the Tech-men hacked their way to a 12 to 3 win making it two in a row. Tri-State smarting from their defeat earlier in the season bounced back and edged past Tech 8 to 7.

GOLF

Vaden, McCauley, Hall, birdie in the making



When Concordia and Tech came together for the second time they again met defeat with a $9\frac{1}{2}$ to $5\frac{1}{2}$ defeat. All the games were match-match-medal play.

This year's team proved to be one of the best in Tech's history and with Coach Ben Dows guidance on the Tech-linksmen we can look forward to the bright future when Tech's golf team returns to the fairway.

Left to Right: George McCauley, V. G. Vaden, Elwood Krout, Richard Crider.





COACH MURRAY MENDENHALL

The Tech baseball team was faced with many adjustments at the beginning of the season and limited practices are greatly to blame for the poor showing of one win and nine losses this season.

Shortly after the beginning of the spring term, Coach Murray Mendenhall called the baseball interests to practice, but old man weather was opposed, and only a few trials were held. Also only three veterans returned from last year's squad. That proposed an all open drive for the positions and it was, as the new line-up saw, practically all new faces. Those that returned from last year's team were Bob Davison, Don Nunamaker, and Warren Keller.

Opening April 7 after a series of rain outs, the Techmen faced Franklin College at Franklin and were downed 12-4. The next game on the schedule was with Defiance College at McMillen Field and went to them 3-0, for the only shutout of the season. Manchester then filling in for a home rain out, tripped the Orange and Black 13-4. The last game of April went to Anderson 9-1.

Beginning May 1, Tech faced the old rival Tri-State and the Angolians held the edge in a 5-4 victory. Manchester then returned here and took home a 5-1 decision.

The heartbreaking game of the season was lost to Tri-State at McMillen Field in 11 innings. Warren Keller pitched wonderful ball for eight innings giving up only 2 hits, but the fielding fell apart in the top of the 9th, and Tri-State tied up the game and went ahead 5-3.

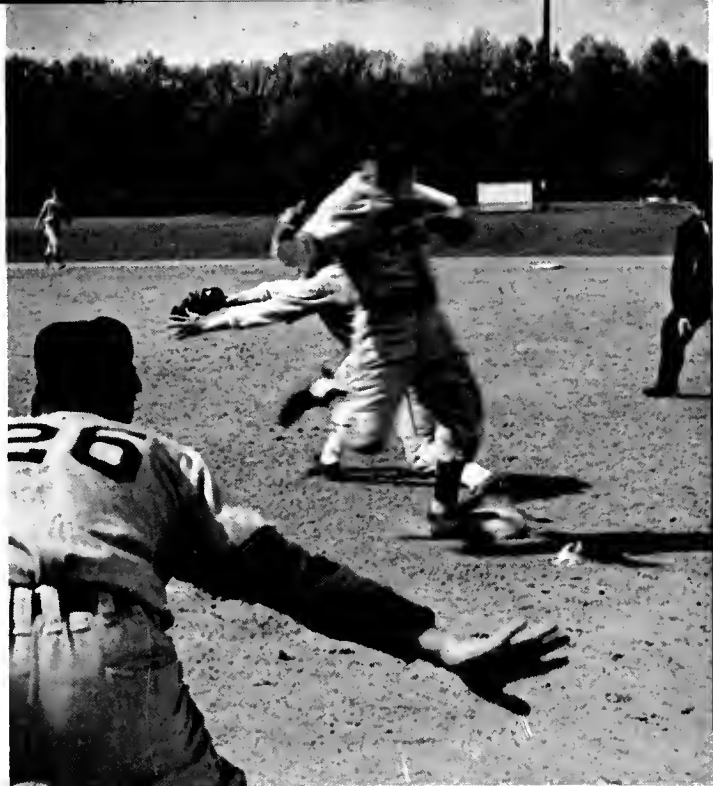
Left to Right: Donald Rudolf, Ronald De Walt, Dave Seasho'tz, John Host, Ted Kurek, Robert Ewen, Bill Berndt, Tom Gillie. Front Row: Coach Mendenhall, Donald Nunamaker, Warren Keller, Bob Babbitt, Bob Davison, Dave Graven, Allen Jackson, Bob Sandfur, Harold Otis.



Right: Bob Davison safe at first

Below, Left: The bench during a Tech turn at bat

Below, Right: Warren Reller does a good job at the plate



The Engineers tied it up in the bottom of the 9th, and then in the top of the 11th, Tri-State pushed across two runs. The situation looked gloomy, but Tech loaded the bases and pushed across one run, and then with two away, a pinchhitter lined a shot between short and second, but the second baseman knocked it down, and made the out.

In a doubleheader, Manchester edged out a 3-2 victory in the opener, but became Tech's only victim in the nightcap to a thumping tune of 19-11. When the boys opened up, they really came through and scored 9 runs in the top of the 10th.

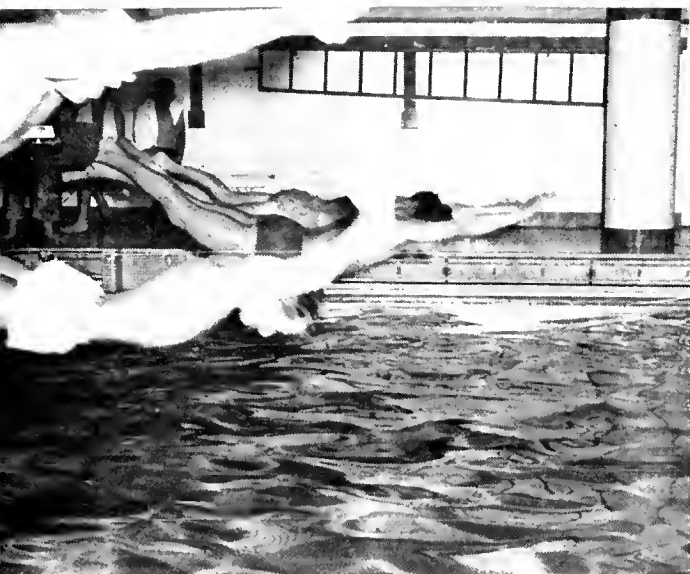
The year's final game went to Anderson, 13-6 at Mc-Millen Field, but next year will have much to offer with the return of more lettermen.

BASEBALL SCHEDULE

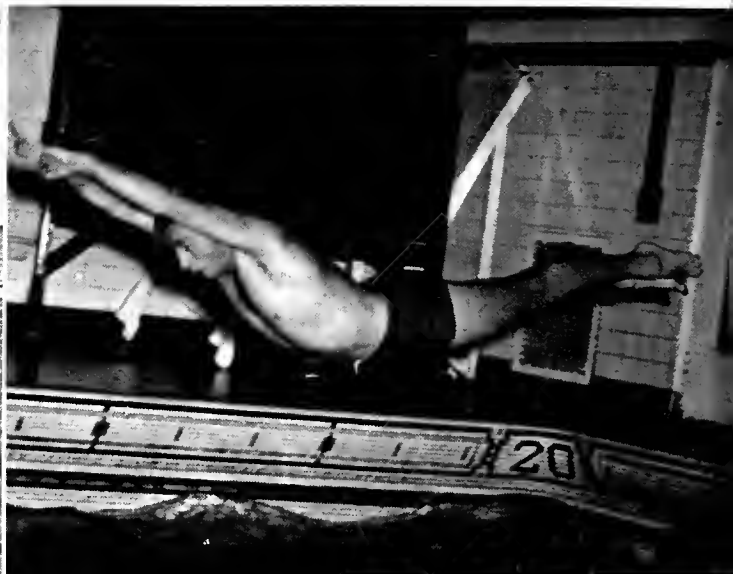
		ITC	OPP
Apr. 7—	Franklin College There	4	12
Apr. 13—	Defiance College Here	0	3
Apr. 17—	Manchester College There	4	13
Apr. 29—	Anderson College There	1	9
May 1—	Tri-State College There	4	5
May 5—	Manchester College Here	1	5
May 12—	Tri-State College Here	6	7
May 15—	Manchester College There	2	3
May 15—	Manchester College* There	19	11
May 20—	Anderson College Here	6	13

*Denotes Doubleheader.

B A S E B A L L



They're off and set for the splash



Thomas Cromier, Chemical captain takes to the air

I N T R A

S W I M M I N G

The Intramural swimming meet was held at the Y.M.C.A. pool on October 24. Each department was out to have their name inscribed on the trophy so the competition was at such a high peak

that several records were broken. When the final results were counted the Chemical Department proved to be too tough for the rest and were crowned the champions.

Mr. Ben Dow congratulates Thomas Cromier, Chemical Department Captain





Mechanicals centered around Mr. Baggott, faculty adviser



Championship team work that paid off

M U R A L

B A S K E T B A L L

The Intramural basketball league gave all the students a chance to relax from their studies with quite a few taking part in the six team league.

There were several tightly fought games when two or three points decided the game. The Mechanics took the flag for the second straight year without a loss for the season.

Left to Right: D. G. Bradley, Thomas McSpedon, James Patton, Leonard Tonn, Thomas King, Robert Babbitt, Frank McSpedon.





Paul Gardenwine studies the situation



Russ Smith lets go down the alley

B O W L I N G

The Bowling Club is probably the most popular activity at Tech during the fall and winter terms. During the past season more than 100 students participated. A twelve-team league, with American Bowling Congress sanction, proved quite competitive with the championship undecided until the final match.

Sigma Phi Delta's team was the dark horse of the race since it was the first year that they have entered a team in competition and they came out with flying colors taking the championship in a hard-fought duel. This team was in first place from the start, but was nearly overtaken by the Aero team and the Mixmasters at various times during the

season. None of the teams could quite catch them since they did not have the balance nor the strength needed in the crucial match to overtake the champs.

The Mixmasters was the only team in the league that didn't represent some organization or group. They were, as the name implies, a group that got together for a chance to bowl and were from various departments of the college.

The faculty also had a team entered in the race and it gave the students a better chance to get acquainted with their instructors. They gave the Aero and Mixmaster teams a few gray hairs by coming within one-half game of catching them.

Trophies were awarded to Ed McMahon, Manny Flagella, Harold Coffman, Bob Foulter, Bill Cunningham, and Dick Filarsky, who were members of the championship team.

The Mix-Masters: James Craven, William Tummey, Dick Malchow, Paul Gardenwine, Don Boare





Marion Stults lays it down



The scorekeeper puts in the results

Individual awards went to Jim Craven who had the highest average with a snappy 176, Ed McMahon for the high three game score when he hit 606 pins, Dave Craven for the high single game with 231 pins bowled over, Jim Craven for getting the most strikes with 248, Harold Coffman received his award for picking up the most spares when he used the second ball to pick up the rest of the pins 304 times, Hank Thompson's came for making the most splits making 12 of them, Mr. Jezowski received an achievement award from the American Bowling Congress for having raised his average most during the bowling season. There were 16 bowlers that received perfect attendance awards because they did not miss a single bowling session. They were Mr. Dore, Mr. Marshall, Mr. Price, Harold Coffman, Ed McMahon, Hank Thompson, Manny Flagella, Roger Hauffman, Russ Smith, Bill Myers, Howard Hall, Al Johnson, Wayne Hogg, Marion Stulty, Robert Nishioe and Frank Robbins. The awards were given at a banquet at Bear Field when the bowling season came to a close.

Final standings of the teams were:

Team	Won	Lost
Sigma Phi Delta	42 ¹ / ₂	23 ¹ / ₂
Mechanical	38	28
Aero	37	29
Mixmasters	37	29
Faculty	36 ¹ / ₂	29 ¹ / ₂
A. G. U.	33	33
Radio	31 ¹ / ₂	34 ¹ / ₂
Pyramid	31	35
Electrical	29 ¹ / ₂	36 ¹ / ₂
Kappa Sigma Phi	27 ¹ / ₂	38 ¹ / ₂
Hawaii	26 ¹ / ₂	39 ¹ / ₂
Honolulu	26	40

The faculty, left to right: Mr. Shepherdson, Mr. Price, Mr. Marshall, Mr. Dors, Mr. Jezowski



RIFLE CLUB

The Tech Indians have returned to the rifle range this year after a lapse of several terms when the newly organized Rifle Club sighted up at Concordia's and South Side's rifle range with Mr. Kemp as the faculty moderator. The team is again affiliated with the National Rifle Association which affords many opportunities for widespread recognition and a chance for discounts on targets, ammunition, etc.

Although Tech never broke into the win column until the last match, every time they went out against a new opponent an improvement was evident over the preceding outing with the scores progressing upward each time.

The first match saw University of Pennsylvania pitted against Tech with the Indians on the short end of the score. University of Wisconsin was the next team to turn back the Tech men. Then came Ohio State, Illinois Institute of Technology, Worcester Poly Institute, Rutgers University, University of Cincinnati and several others that turned the Tech Indians back. Each time they were harder to be de-

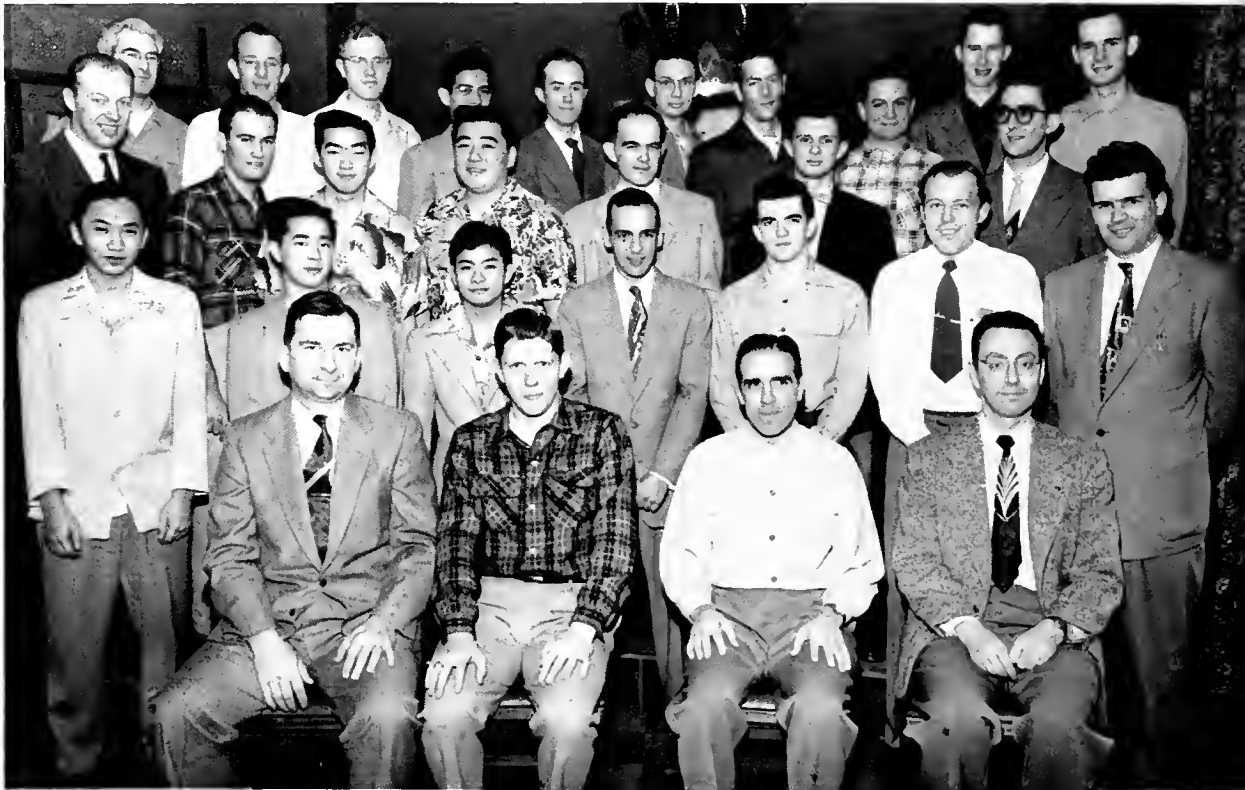


Left to Right: Glen Trefz, William Clark, Mr. Kemp, Faculty Advisor; Robert Bush. Not Pictured: Robert Fowler, Ronald Hughes.

feated until the final match against Greensboro North Carolina Rifle Club the boys at Tech were able to taste the sweet fruits of victory.

After the steady improvement of the team during the first year, the future looks bright. With the returning rifle men and some new faces on the firing line, what can be in store for the team next year?

Seated, Left to Right: Russell S. Smith, Secretary; Donald C. Valkema, Vice-President; Edmund J. McMahon, President; Mr. Robert Marshall, Moderator. Second Row: Harold Shimiza, Satoru Takeshita, Thomas Asato, Blaine Eddy, Gerald Schmucker, Henry Thompson, Robert Kauffman. Third Row: Ignace Levickas, Dave Craven, G. Takehara, Earl Ogawa, Mr. J. Dors, J. Fallon, Ruben Trujillo. Fourth Row: Emanuel Flagella, Robert Fowler, Howard Hall, Juan Perez, James Craven, Wayne Hogg, William Russell, Marion Stults, David Mokren, J. Spittler.



The Indiana Tech Fencing Team is a group of men that is selected from the school fencing club to represent the College in intercollegiate and local competition which included the Fort Wayne Fencing Club, and the Jefferson Fencing Club; are under the capable direction of Henry E. Wahl.

The team is composed of those members that are most skilled in the use of the foil, sabre, and epee. Although this year's team was limited to mostly foil tactics, it did prove inspiring as the boys won all their matches.

Awards available to fencers winning tournaments are trophies, membership in the National Fencers League of America, cash awards and others. The training received, however, serves not only to make a well rounded fencer, but a well rounded engineer as well.



Standing, Left to Right: William Schrader, Alfred Knoll, Igor Jaremenko. Kneeling, Left to Right: Norman Joliff, Frank Wittington.



HENRY E. WAHL
Coach

F E N C I N G





"IF"

(With apologies to R. Kipling)

If you can swing an axe, or wield a brushhook,
Or drive a stake, or drag a chain all day,
If you can scribble "figgers in a notebook,"
Or shoot a range pole half a mile away,
If you can sight a transit or a level,
Or move a target up and down a rod,
If you fear neither man, nor ghost, nor devil,
And know yourself and trust the living God.

If you can wade a swamp, or swim a river,
Nor fear the deeps, nor yet the dizzy heights,
If you can stand the cold without a shiver,
And take the Higgin's ink to bed of nights,
If you can turn a thumbscrew with your fingers,
When every digit's like a frozen thumb,
If you can work as long as daylight lingers,
And not complain, nor think you're going some.

If you can sight through tropic heat's refraction,
Or toil all day beneath a blistering sun,
If you can find a sort of satisfaction,
In knowing that you've got a job well done,
If you can talk with deckhand or with rigger,
And try to be a gentleman to boot,
If you can use a "guessin' stick" to figger,
And know a coefficient from a root.

If your calculus and descriptive are forgotten,
And your algebra just serves you fairly well,
And your drafting and your lettering are rotten,
And your Trautwine's always handy by to tell,
If you can close a traverse without fudgin',
Or check a line of levels by a foot,
If you can set a slope stake just by judgin',
And never kick a tripod with your foot.

If you can run a line where you are told to,
And make it stay somewhere on the map,
If you can read your notes when they get cold, too,
And know that contours mustn't overlap,
If you can line a truss or tap a rivet,
Or make a surly foreman come across,
If you can take an order, well as give it,
And not have secret pity for the boss.

If you can climb a stool, and not feel lowly,
Nor have your head turned by a swivel chair,
If you can always reach your judgments slowly,
And make your rulings always just and fair,
If you can give yourself and all that's in you,
And make the others give their own best too,
If you can handle men of brawn and sinew,
And like the men and make them like you too.

If you can't boast a college education;
Or, if you've got a sheepskin, can forget,
If you get a livin' wage for compensation,
And give a little more than what you get,
If you can meet with triumph and disaster,
And treat them without favor, nor with fear,
You'll be a man and your own master,
But...what is more...you'll be an ENGINEER.

R. I. Randolph







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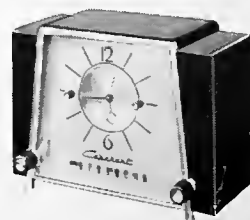
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Anderson, Jerry W., 1953 Ohio
Birdsong, Lewis F., 1952 Texas
Boxx, James P., 1950 and 1952 Kentucky
Carney, Robert W., 1953 Virginia
Fensler, William E., 1941 Ohio
Fuqua, Louis E., 1952 Texas
Gerbitz, Clarence G., 1953 Indiana
Gurnick, Andrew, 1952 Ohio
Hall, James J., 1950 New York
Hamlin, H. J., 1953 New Jersey
Hendrickson, Elmer E., 1943 Idaho
Hopper, Raymond H., 1949 Tennessee
Konishi, Masao, 1950 Illinois
Laine, Leslie H., 1935 Ohio
Lee, Murrel D., 1949 Florida
Lowe, Kenneth C., 1948 B. C., Canada
McCullough, Joseph H., 1953 New York
Minatoya, Robert J., 1952 Hawaii
Rajcany, Frank B., 1949 Florida
Rice, Keith E., 1949 Indiana
Rose, Donald F., 1950 California
Schreier, Fred J., 1952 New York
Wedel, Edwin L., 1952 Texas
Wong, Sing G., 1949 Arizona
Young, Mark E., 1953 California
Zimmerman, Howard, 1950 Ohio

B.S.E.E.

Benedetti, Henry F., 1949 Massachusetts
Casper, Walter, Jr., 1951 New York
Colburn, A. D., 1951 Texas
Craig, Samuel W., 1950 Pennsylvania
Crouch, John J., 1935 Indiana
Dermer, R. D., 1935 Indiana
Dillon, James R., 1943 Ohio
Erb, Edward, Jr., 1934 Indiana
Finnegan, Edward J., 1952 New York
French, Pete E. C., 1951 Toronto, Ontario
Geist, William H., 1934 Indiana
George, Kenneth D., 1952 Ohio
Gerlach, Francis H., 1936 Ohio
Hicks, Lionel N., 1952 New York
Maisel, Edward F., 1951 Indiana
Martin, W. Vincent, 1949 Pennsylvania
Mengani, Carl M., 1949 New York
Miyaji, Hiroshi, 1953 Hawaii
Llompert, Jose J., 1941 Puerto Rico
Ortenzatos, Dennis New York
Parks, Kenneth B., 1940 New Jersey
Procise, Keith D., 1952 Ohio
Ricketts, Roy L., 1948 Kentucky
Robinson, William P., Jr., 1937 Pennsylvania
Rodriguez, Gumersindo, 1950 New York
Sartin, Malvin P., 1953 Alabama
Schroeder, Charles W., 1948 Indiana
Smith, Louis L., 1943 Kansas
Stauffer, George D., 1935 Indiana
Strang, Holly H., 1942 Wisconsin
Sutlief, Harold, 1949 Washington
Swarts, Carl E., 1951 Oklahoma
Tedeschi, Anthony, 1951 New York
Trenner, Logan G., 1935 Florida
Trier, R. T., 1933 Ohio
Warren, Capt. Robert, 1948 U.S. Air Force
Wascavage, Joe A., 1947 Pennsylvania
Winters, Clifford H., 1949 Massachusetts
Wolff, Harry R., 1936 Indiana
Wright, Donald D., 1952 North Carolina

Bickmore, Arthur W., B.S.R.E. and Ch.E., 1950 New York
Bukhdud, Joseph, B.S.R.E. and E.E., 1953 California
Coryell, John A., B.S.R.E. and E.E., 1951 California
Dahinden, Duane T., B.S.R.E. and E.E., 1949 California
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Hudson, William, B.S.R.E. and E.E., 1950 Washington
Kearns, John H., B.S.R.E. and E.E., 1948 Ohio
Kelley, Elton P., B.S.R.E. and E.E., 1949 Connecticut
Leahy, Frank M., B.S.R.E. and E.E., 1953 Maryland
Nuss, Raymond J., B.S.R.E. and E.E., 1952 Ohio
Razook, William H., B.S.Ch.E. and E.E., 1953 New York
Sanders, Robert, B.S.R.E. and E.E., 1937 Indiana
Yokoroto, Robert K., B.S.R.E. and E.E., 1953 Maryland

B.S.C.E.

Ackerman, Howard L., 1951 Michigan
Alyea, Richard R., 1953 Ohio
Ashton, Howard E., 1940 New York
Barss, Howard W., Jr., 1951 Massachusetts

Barth, Richard G., 1949 Texas
Bauer, J. R., 1951 Indiana
Benson, Chalmers A., 1937 Ohio
Blessing, James G., 1949 Ohio
Boniface, Joseph J., 1951 Maryland
Brown, John M., Jr., 1941 Texas
Catron, Conrad L., 1953 Virginia
Clark, Robert H., 1953 New York
Cummins, John R., 1950 California
Davis, R. S., 1949 Pennsylvania
DeNardo, Louis, 1952 Pennsylvania
DiPirro, Joseph A., 1951 New York
Dolgos, Frank J., 1950 New York
Eneyardt, Grant C., 1950 California
Fernandez, Michael A., 1952 Illinois
Feussner, John K., 1949 Florida
Figen, I. Sevk, 1953 Turkey
Galley, Michael, Jr., 1951 Pennsylvania
Garassino, Raymond L., 1951 Connecticut
Gorney, Raphael, 1951 Israel
Harrison, George C., 1948 California
Haskins, James B., 1948 Missouri
Hilgert, Earl R., 1953 Illinois
Hirozawa, Minoru, 1948 Hawaii
Hoetzer, E. M., 1934 Indiana
Iwasaki, Andy, 1953 Canada
Jaquemann, Walter W., 1952 New York
Johnis, Paul, 1951 Massachusetts
Johnis, Steve, 1951 Massachusetts
Johnston, W. M., 1952 Minnesota
Kirbach, Vincent J., 1948 Illinois
Larson, Edward W., Jr., 1943 California
Leeper, James T., 1935 Pennsylvania
Madero, Charles J., 1951 New York
Mariani, Fred R., 1953 Pennsylvania
Miller, William A., 1949 Ohio
Morales, Hector M., 1951 Puerto Rico
Morrissette, Edward H., 1950 Virginia
Nichols, L. C., 1949 Tennessee
Parrott, Frank H., Jr., 1949 California
Powers, Raymond J., 1951 California
Randol, Thomas J., Jr., 1951 Oregon
Ridgway, Howard W., 1950 Pennsylvania
Sinemus, Herman A., 1948 Pennsylvania
Spellman, Richard G., 1951 Minnesota
Spiegel, Leonard, 1948 New York
Wilkie, Fred J., 1953 New York
Yamada, James S., 1950 Hawaii
Youna, Charles O., 1951 Indiana

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Banda, Michael, 1951 Pennsylvania
Basore, Vernon J., 1952 Minnesota
Bateman, Gordon C., 1951 Idaho
Bluhm, Elmer, 1952 Michigan
Conrad, Donald B., 1953 Kansas
Castro, Candido V., Jr., 1953 Porto Rico
Ciesla, Joseph J., 1951 Texas
Clemenz, Leroy E., 1949 Indiana
Crow, Donald, 1951 Ohio
DiGiorgio, Mario, 1948 Ohio
Dillard, Don L., 1952 Mississippi
Drauz, Clark J., 1949 North Dakota
Foley, Robert J., 1949 Michigan
Gilbertson, Gerald E., 1951 Wisconsin
Gillen, Raymond, 1951 New Jersey
Giordano, Albert, 1947 Pennsylvania
Glunta, Alma H., 1950 Connecticut
Gowins, John F., 1952 Ohio
Graf, Max J., 1950 Indiana
Haber, George, Jr., 1949 Michigan
Hailey, James E., 1951 Tennessee
Hartle, Charles E., Jr., 1949 North Carolina
Hawthorn, Harry T., 1949 North Carolina
Heaston, Gaylor E., 1940 Wisconsin
Hess, Richard M., 1948 Ohio
Hoymen, Stanley, 1947 Wisconsin
Hunt, Benner E., 1943 New Jersey
Jackson, George L., 1949 Michigan
Jacob, John H., 1952 Indiana
Kenner, W. R., 1949 Ohio
Kerstner, Otto S., 1948 California
Kerstner, Steve V., 1948 California
King, Richard C., 1948 Michigan
Klein, Joseph, 1950 New York
Lee, Richard W., 1942 Ontario, Canada
Lee, Robert S., 1948 Wisconsin
Lee, Roy, 1948 Ontario, Canada
Markot, C. P., 1949 Indiana
MacInnes, James C., 1940 Pennsylvania

Manca, E. John, 1951 Connecticut
 Marshall, John D., 1942 Indiana
 Mays, C. C., 1939 California
 McGary, Joseph F., 1939 Ohio
 McMahan, Stanley J., 1942 New Jersey
 Mercurio, Salvatore P., Jr., 1949 New York
 Meyer, Richard C., 1950 Illinois
 Nevenzell, Jay, 1949 Texas
 Niemeyer, Robert W., 1942 Indiana
 Noll, George C., 1943 Ohio
 Olson, Everett A., 1947 Nebraska
 Opsomer, Jcel M., 1950 Michigan
 Palfey, A. J., 1948 Michigan
 Peduto, Louis, 1952 Pennsylvania
 Perrotta, Anthony J., 1948 New Jersey
 Phillips, Richard L., 1948 Indiana
 Quirk, J. D., 1941 New Jersey
 Ridgway, James E., 1950 Pennsylvania
 Rymasz, Daniel T., 1949 Pennsylvania
 Sandaljian, Peter G., 1940 Connecticut
 Schroeder, Gerald B., 1944 Ohio
 Sella, E. Hector, 1948 Michigan
 Sherman, William E., 1949 Texas
 Shovlin, Thomas, 1949 Indiana
 Sinclair, Bruce A., 1949 Texas
 Sossong, Henry J., 1951 New Jersey
 Spellman, Edsel A., 1953 New Jersey
 Straw, Richard W., 1951 Indiana
 Valley, Richard E., 1950 Wisconsin
 Walsh, Edward J., 1950 New York
 Warren, Elson A., 1950 Indiana
 Watts, Ralph L., 1938 Ohio
 Weller, Edward J., 1950 Pennsylvania
 Weyland, Norman F., 1948 Illinois
 Zielinski, Mitchell, 1942 Massachusetts

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Brestel, Pliny C., 1953 Ohio
 Brewer, Roger P., 1942 Ohio
 Burton, Robert O., 1943 California
 Davis, John F., 1949 New York
 Estep, Daniel B., 1950 Indiana
 Forrest, C. L., 1943 New York
 Goulet, Jean L., 1949 California
 Mankuta, Irving I., 1948 Indiana
 Moore, James J., 1942 Pennsylvania
 Neirenberg, Byron, 1938 New York
 Prusifull, L. J., 1943 Virginia
 Schock, W. H., Jr., 1944 Ohio
 Schumacher, Jack, 1949 Indiana
 Sweida, LaVern J., 1950 California
 Sullivan, James E., 1936 Indiana
 Viscioni, Robert S., 1951 New York
 Vrabel, Robert J., 1950 Texas
 Wadington, Wayne R., 1947 Indiana
 Wilson, Wm. C., 1941 Florida

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Dickmann, John F., 1945 Oklahoma
 Donham, Charles L., 1953 Iowa
 Gelleny, Joseph J., 1947 Toronto, Canada
 Howard, Denver C., 1948 Ohio
 Polfus, W. F., 1939 Pennsylvania
 Rockley, James H., 1953 B.C., Canada
 Rooney, James J., 1953 Michigan
 Stewart, Clarence B., 1937 Ohio
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 Trubin, George L., 1943 New Jersey
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 Yeo, William, 1942 New York

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 King, Malcolm E. British Guiana
 King, Ralph E. York, Pa.
 Kitano, Tom T. Honolulu, Hawaii
 Klein, Frederick Pontiac, Ill.
 Kramer, Solomon Elizabeth, N. J.
 Krawtz, Steven Derry, Pa.
 Kroh, George T. Stockton, Calif.
 Kyler, Charles Delmont Clearfield, Pa.

 Lacasse, Adrien R. Asheville, N. C.
 Lampkins, J. C. Higginson, Ark.
 Lane, Gayle E. Lebanon, O.
 Lee, Harold E. Bidwell, O.
 Liberatore, Francis D. Geneva, N. Y.
 Liebermann, Carl R. Latrobe, Pa.
 Lockett, Leslie E. Lebanon, Tenn.
 Locklair, Jackie Hartsville, S. C.
 Lussier, Lucien N. East Hampton, Mass.

 McBride, James E. Centerville, Pa.
 McBride, Richard D. Centerville, Pa.
 McGee, Maurice D. Ossian, Ind.
 McKay, John C. Oneida, N. Y.
 McMahon, Edmund J. Muscatine, Iowa
 McManus, Lyle D. Kingsly, Mich.
 Maquire, Richard E. Monmouth, Ill.
 Mariani, Ferdinand R. Philadelphia, Pa.
 Mathes, Richard K. Detroit, Mich.
 Matthews, Elmer Ray Mt. Vernon, Ill.
 Matthews, James F., Jr. Roslyn, N. Y.
 Maury, Carlos H. Caracas, Venezuela
 Maxwell, Lester Miami, Fla.
 Mello, Alfred S., Jr. Fall River, Mass.
 Meyer, Loren W. Paintsville, Ky.
 Millette, Leo R. Manville, R. I.
 Minyard, James F. New Castle, Ind.
 Miranda, Julio C. Bayamon, P. R.
 Miyasato, Shigetoshi R. Kalaheo, Kauai, T. H.
 Moore, Helen Johnson City, N. Y.
 Moore, Paul Binghamton, N. Y.
 Morales, Andres Bogota, Colombia
 Morales, Batuel E. Tampico, Mexico
 Morris, Robert L. Vester, Ky.
 Motley, Thomas J. Pottsville, Pa.
 Mukhar, George E. Amman, H. K. Jordan
 Mullennax, John P. Diablo Heights, Canal Zone
 Munne, David R. Dominican Republic
 Myers, William G. Whitesboro, N. Y.

 Nacey, Edward J. Amery, Wis.
 Negroni, Pascual A. Fort Wayne, Ind.
 Nenson, George B. Regina, Sask., Canada
 Noren, Juel Richard Kelso, Washington
 Noviasky, Joseph E. Winsted, Conn.
 Nunamaker, Donald J. Osterburg, Pa.

 Owens, Carl D. Maysville, Ky.

 Padmore, Moore Titus Monrovia, Liberia
 Pantoja, Edgar R. Lima, Peru
 Parker, Gerard D. Brooklyn, N. Y.
 Peterson, Harry L. Morris, Ill.
 Phillipson, Joseph E. Fort Wayne, Ind.
 Pinski, Ezequiel Cali, Colombia, S. A.
 Piyaour, Voraphong Bangkok, Siam
 Poslinski, Josef S. Buffalo, N. Y.
 Poucher, Donald E. Clermont, N. Y.
 Poyer, James H. Bradford, Pa.
 Priddy, Clarence E. Fort Wayne, Ind.

 Randazzo, Nicholas Buffalo, N. Y.
 Rayder, Harold B. Stoney Creek, N. Y.
 Reck, Carl Lloyd Covington, O.
 Ring David S. St. John, N. B., Canada
 Rivera, Nicholas J. Brooklyn, N. Y.
 Roberts, Walter Marvin Sugar Grove, Va.
 Rhodes, Thomas H. Logan, W. Va.
 Rodriguez, Rolando M. Honduras, C. A.
 Rohadfox, Ronald O. Chicago, Ill.
 Rohan, Richard F. Poughkeepsie, N. Y.
 Roman, Florencio Quebradillas, Puerto Rico

Samuels, Donald P. Spanishtown, Jamaica
 Sardella, Gerald Middletown, N. Y.
 Schellinger, Don H. South Bend, Ind.
 Scott, Henry B. Fort Wayne, Ind.
 Seeber, Frank M. Woodlawn, Me.
 Setzer, Richard A. Maiden, N. C.
 Shields, Walter A. Toronto, Ontario, Canada
 Smith, Donald B. Pittsburgh, Pa.
 Smith, Herbert Calvin Jacksonville, Fla.
 Sorensen, Vernon Edward Fort Dodge, Iowa
 Soto, Bautista Utuado, P. R.
 Soto, Jaime Cucuts, Colombia
 Spenik, John Adah, Pa.
 Spurgeon, Leslie M. San Francisco, Calif.
 Stanfill, William A. Oran, Mo.
 Stoker, Stanley V. Upper Sandusky, O.
 Storer, William Edward Claremont, N. H.
 Strong, Chester A. S. Hadley Falls, Mass.
 Stuart, Robert G. San Juan, Tex.
 Sullivan, Shuford Asheville, N. C.
 Swick, Richard Napoleon, O.

Tardio, Carlos Bolivia, S. A.
 Tate, Charles H. Fort Payne, Ala.
 Taylor, Glen M. Middletown, O.
 Tcherassi, David Colombia, S. A.
 Teetsel, William Sayre, Pa.
 Teruya, James S. Honolulu, Hawaii
 Tryon, Philip Clayton, N. M.

Valvano, Tony, Jr. Ellwood City, Pa.
 Van Orden, Walter A. Grand Rondo, Ore.
 Van Osch, Adrie Bogota, Colombia, S. A.
 Velez, Jorge Monzales, Colombia
 Villane, William V. J. Westfield, N. J.
 Virella, Edward Los Angeles, Calif.

Walker, Earle R. Waverly, Va.
 Walsh, Edward A. Rio de Janeiro, Brazil
 Warnek, Steve M. New York City, N. Y.
 Watanabe, Masai Makaweli Kauai, T. H.
 Wesell, Harold J. Hartford City, Ind.
 Wetzel, Marshall B. Fort Wayne, Ind.
 Whitacre, William W. South Edmeston, N. Y.
 White, Kenneth V. Winston-Salem, N. C.
 Wilkie, Fred Jared Batavia, N. Y.
 Willcox, Walter L. Rochelle, Ill.
 Wilson, Stanley J. Woodlawn, Ill.
 Wilson, William L. Albion, Ind.
 Woodhouse, Harold Robert Memphis, Tenn.

Zaccheo, John Westfield, Mass.
 Zaremba, Joseph L. Watertown, N. Y.
 Zuercher, Samuel D. Berne, Ind.

Electrical Engineering

Abbott, Edward B. Conneaut Lake, Pa.
 Adams, Steven T. Bronx, N. Y.
 Agenbroad, Jack C. Piqua, Ohio
 Aghabekian Khachadour Jerusalem, H. K., Jordan
 Allgaier, Edwin H. Yonkers, N. Y.
 Allman, James M., Jr. Cox's Mills, W. Va.
 Alsever, Donald West Haven, Conn.
 Alward, Duane E. Hudsonville, Mich.
 Anderson, Jerry Lancaster, O.
 Asato, Thomas S. Honolulu, Hawaii
 Atkinson, Edgar I. Camden, N. Y.
 Avramidis, Nicholas P. New York, N. Y.

Baggot, Harold E. Herrin, Ill.
 Bailey, Gerald D. Middletown, O.
 Bailey, Marlin A. Winfield, Kan.
 Baleshta, Ted Canora, Sask., Canada
 Balser, David John South Fork, Pa.
 Barclay, Bruce Prescott, Arizona
 Barnes, Clarence R. Wooster, Ohio
 Baserman, Merle W. Johnstown, Pa.
 Beasley, James G. Camden, Tenn.
 Berger, Francis J. Pittsburgh, Pa.
 Berlin, Glenn E. Wichita, Kan.
 Berndt, William E. Antigo, Wis.
 Bilger, Clem G. Fort Wayne, Ind.
 Bir, Nand S. Dist. Roshapur, E. P. India
 Bobbett, Dale L. Fairfield, Ill.
 Bolner, Merrill H. Hartford City, Ind.
 Bourghol, Abdel K. Harika Damascus, Syria
 Box, James P. Bowling Green, Ky.
 Braga, Merl James, Jr. Portland, Ind.
 Bray, William E. Sloan, Iowa
 Brower, Robert W. Portland, Ore.
 Bryant, Charles D. Tulsa, Okla.
 Bryant, Paul F. Burnside, Ky.
 Buchanan, Leon F. Dover, N. J.
 Bukhdud, Yusuf Nabatieh, Lebanon
 Bull, Lawrence M. Pittsburgh, Pa.

Burden, Rex B. Fort Wayne, Ind.
 Buritica, Jorge Armenia, Colombia
 Burkhart, Lawrence J. Zanesville, O.

Cartwright, Gerald D. Hamburg, Pa.
 Case, Ralph E. Willshire, O.
 Castano, Hernando Tuluca, Colombia
 Caughlan, Donald Henry Fairfield, Ia.
 Causin, Pastor Calvo Cabu City, Philippines
 Cento, Virgilio Honduras, C. A.
 Chaitoff, Milton Cleveland, Ohio
 Chaplikas, Stanley A. Hartford, Conn.
 Chidester, Paul Sioux Falls, S. Dak.
 Chidester, Silas Sioux Falls, S. Dak.
 Choy, Ernest K. W. Kaneohe, Oahu
 Christley, Howard J. Draper, N. C.
 Chucks, Alexander Bronx, N. Y.
 Clontz, James Marion Taylorsville, N. C.
 Collins, Curtis A. Davin, W. Va.
 Combie, Edward C. Foxboro, Mass.
 Connor, Charles W. Monette, Ark.
 Convis, Delbert L. Grand Blanc, Mich.
 Cordray, Edward James Canton, Ohio
 Cornish, Stephen D. Little Falls, N. Y.
 Couture, Warren A. Berlin, N. H.
 Crandall, Ira C. Old Bridge, N. J.
 Craven, James R. Ravena, N. Y.
 Cunningham, Rafael A. Ancon, Canal Zone
 Cunningham, Willard M. Ft. Wayne, Ind.

Daddow, Donald D. Charles City, Iowa
 Dadorian, Paul Yonkers, N. Y.
 Dady, James Warren Flint, Mich.
 Daigleish, David A. Westminster, Md.
 Davis, Dhuaime J. Glen Ellyn, Ill.
 Davis, Gordon L. Denver, Colo.
 Davis, Howard Stoughton, Wis.
 Davis, Loyd E. Chattahoochee, Fla.
 Davison, Robert L. Waynesburg, Pa.
 Dawley, Robert E. Hope, R. I.
 Dean, Herbert A. Jackson, Mich.
 Degitz, Donald C. Fort Wayne, Ind.
 Delaney, Charles E. Polston, Mont.
 Densford, William G. Columbus, Ind.
 DeYoung, Nathan R. Fort Wayne, Ind.
 Diaz, Rafael C. Santurce, P. R.
 Dillard, Arthur J. Memphis, Tenn.
 DiNatale, Pasquale Rochester, N. Y.
 Donham, Charles L. Iowa City, Iowa
 Dowling, Charles W. North Vernon, Ind.
 Dunham, Joseph F. Attica, N. Y.
 Dunn, Elwood W. Harrisburg, Ill.
 Duplessis, Harold J. Davant, La.

Eberly, Warren P. Myerstown, Pa.
 Eddy, Blaine J. St. Marys, W. Va.
 Elleman, Herbert G. Jamestown, N. Y.
 Elmquest, Arthur D. Hesperia, Mich.
 England, Robert B. Chattanooga, Tenn.
 English, Edgar S. Greenwood, Del.
 Erickson, Wayne P. Grand Junction, Colo.
 Eschenbaugh, John T. Decatur, Ill.
 Evans, Paul Bellaire, Ohio
 Everhart, Carroll W. Scottsburg, Ind.

Farouk, Talat Lahore, Pakistan
 Fernandez, Alfonso G. Mexico City, Mex.
 Ferrario, Carmelo Beaver Falls, Pa.
 Filarsky, Richard Emil Mentone, Ind.
 Foerster, James Andrew Louisville, Ky.
 Fong, Clark K. Hong Kong, China
 Fowler, Robert D. Madison, Ind.
 Fraiz, Jesse Gary, Ind.
 Fuqua, Louis E. Deming, N. M.

Gagnon, Fernand Lewiston, Me.
 Gainer, Phillip E. Texas City, Tex.
 Gamble, Thomas Lee Wabash, Ind.
 Gardella, John F. Springfield, Mass.
 Gardner, James E. Boxom, Va.
 Gasser, Raymond A. Youngstown, Ohio
 Geer, Robert N. Van Nuys, Calif.
 Geisler, Robert F. Sanford, Fla.
 Gerbitz, Clarence G. Juneau, Wis.
 Gharibian, Dickran K. Baghdad, Iraq
 Ghorai, Sukumar C. Calcutta, India
 Giesey, Robert W. Greensburg, Pa.
 Gillman, Louis E. Johnstown, Pa.
 Gooden, Euene P. Canton, O.
 Gruner, Lawrence D. Coldwater, Mich.

Haberstock, Ralph L. Toledo, O.
 Haines, Richard L. Scio, O.
 Hall, Lloyd E. Mousie, Ky.
 Hamlin, Hillburn J. Amelia, O.
 Hammeren, Stanley O. Dayton, O.
 Hancock, Paul D. Hays, Kan.

Hanson, Ralph E.	..... Allington, Mass.	Morrow, Bobbie Dale	..... New Castle, Pa.
Hardee, Robert D.	..... Vancouver, B. C., Canada	Moseley, Thomas W.	..... Birmingham, Ala.
Hargreaves, Sidney B., Jr.	..... Waycross, Ga.	Moss, Howard Lee, Jr.	..... China Grove, N. C.
Harkins, John	..... Redonda Beach, Calif.	Myers, Wayne E.	..... Miami, Ind.
Harris, George H.	..... Homer City, Pa.		
Hasabe, George	..... Dinuba, Calif.	Natividad, Vincente	..... Hawi, Hawaii
Hattfield, Edward J., Jr.	..... Fort Wayne, Ind.	Neill, William Joseph	..... Bloomington, Ind.
Hattaway, Dudley P.	..... Pensacola, Fla.	Nelson, Robert E.	..... Rockford, Ill.
Hause, Ronald N.	..... New Haven, Ind.	Nenson, George B.	..... Regina, Sask., Canada
Hazel, Harold E.	..... Beatrice, Nebr.	Nettley, Donald E.	..... North Manchester, Ind.
Hensleigh, Melvin A.	..... Shoshoni, Wyo.	Neubaur, Robert James	..... Albany, N. Y.
Herman, Orval A.	..... Hampton, Iowa	Nishida, Robert K.	..... Honolulu, Hawaii
Herrberg, Edward A.	..... Huntington, Ind.	Nofziger, Larry Blyne	..... Wauseon, O.
Hilgert, Earl R.	..... Kankakee, Ill.		
Hinkle, Charles	..... Lyons, O.	Olendorf, George E.	..... Albany, N. Y.
Houck, Robert L.	..... Chambersburg, Pa.	Osma, Virgilic	..... Bogota, Colombia, S. A.
Houston, Donald H.	..... Marble Hill, Mo.	Ouellet, Norman A.	..... Woonsocket, R. I.
Hradsky, Albert	..... Duquesne, Pa.	Oxenford, Clarence J.	..... Esterly, Pa.
Hughes, Ronald D.	..... Chittenango, N. Y.	Pantazin, Thomas	..... Fort Wayne, Ind.
Hull, George W.	..... Carlisle, Pa.	Pasko, Edward	..... Loraine, O.
		Perez, Jauan L.	..... Agana, Guam
Ide, Harry L., Jr.	..... Springfield, Mass.	Perry, John R.	..... Eldreio, Ill.
Ingram, Jack H.	..... Knoxville, Tenn.	Peters, David L.	..... Portland, Ind.
		Peterson, Rodney R.	..... Jamestown, N. Y.
James, Donald D.	..... Richwood, W. Va.	Pittenger, Ronald	..... Boonton, N. J.
Jencks, Edward L.	..... Maple Lake, Minn.	Pollock, Edwin M.	..... Middle Point, O.
Jockel, John L.	..... Fort Wayne, Ind.	Pokorny, William C.	..... New York, N. Y.
Johnson, Alfred O.	..... Oberlin, Kas.	Post, Mercur J.	..... Trenton, N. J.
Johnson, James C.	..... Huron, S. Dak.	Price, Arthur E.	..... Cincinnati, O.
Joonas, Juri E.	..... Elmhurst, L. I., N. Y.	Purdy, Wilbur Dean	..... Lima, O.
Jraida, Taha M.	..... Damascus, Syria		
Jundt, John E.	..... Mansfield, O.	Rayder, Harold B.	..... Stoney Creek, N. Y.
		Rezook, William	..... Brooklyn, N. Y.
Kahale, Abed G.	..... Damascus, Syria	Reed, Robert C.	..... Seattle, Wash.
Kapocius, Vincent A.	..... Chicago, Ill.	Reefer, Harold G.	..... Shelocta, Pa.
Keller, Joseph A.	..... Niagara Falls, N. Y.	Rhodes, Charles R.	..... Hershey, Pa.
Keller, Warren L.	..... Schaefferstown, Pa.	Rial, Wayne Scott	..... Batavia, N. Y.
Khatib, Nasuh A.	..... Damascus, Syria	Riley, Charles E.	..... Philadelphia, Pa.
Kilduff, Raymond T.	..... New Britain, Conn.	Rivera, Nicholas J.	..... Brooklyn, N. Y.
Kina, Kahl G. V.	..... Celina, Ohio	Robinson, Charles D.	..... Logan, W. Va.
King, Philip K.	..... Wenatchee, Wash.	Robson, Howard E.	..... Monticello, Utah
Klingler, Eugene H.	..... Fort Wayne, Ind.	Rockhill, Ronald	..... Bourbon, Ind.
Klodzen, Edward J.	..... Gary, Ind.	Rogers, John C.	..... Farmington, N. H.
Koontz, Charles H.	..... East Palestine, Ohio	Rogers, Melbourne A.	..... Lebanon, Ky.
Kramer, Clifton	..... Missoula, Mont.	Rosenblum, Stanley M.	..... New York, N. Y.
Kunik, Thomas J.	..... St. Paul, Minn.	Russell, William A.	..... Fort Smith, Ark.
Kyler, Orville R.	..... Clearfield, Pa.	Rutherford, James H.	..... Deputy, Ind.
Ladzinske, Paul L.	..... East Liverpool, O.	Sackinger, John P.	..... Shinglehouse, Pa.
Landis, Marlin R.	..... Harrisburg, Pa.	Salaiz, Julian W.	..... Lordsburg, N. M.
LaRue, Harold R.	..... Akron, O.	Samples, James P.	..... Weston, W. Va.
Lashinsky, George	..... Windber, Pa.	Sanders, John	..... Leesburg, Ind.
Leahy, Frank Norton	..... Baltimore, Md.	Sandhu, Mohindar S.	..... Vancouver, B. C., Canada
Lebrat, Jean	..... Chambon Sur Signon H. Loire, France	Sartin, Malvin P.	..... W. Huntsville, Ala.
LeCoutre, David G.	..... Knoxville, Tenn.	Schmucker, Gerald W.	..... Latrobe, Pa.
Lee, Harold E.	..... Bidwell, O.	Schrock, Thomas E.	..... Elkhart, Ind.
Leeka, Edward L.	..... Union City, Ind.	Scott, Wallace D., Jr.	..... West Springfield, Mass.
Leonhart, Francis L.	..... Chicago, Ill.	Secrest, Paul A.	..... Lorain, O.
Levickas, Ignace J.	..... Scottsville, Mich.	See, Lorenzo C.	..... Lucena, Quezon, P. I.
Levine, Stanley	..... Brooklyn, N. Y.	Seekins, Forest R.	..... Medina, N. Y.
Lis, Michael W.	..... Dupont, Pa.	Setzer, Richard A.	..... Maiden, N. C.
Lockart, Edward H.	..... Princeton, W. Va.	Shamma, Adeeb R.	..... Kouhy Damascus, Syria
Loechner, Harold	..... Altoona, Pa.	Sheffs, Alexander H.	..... Byram, Conn.
Loftus, Wallace D.	..... Moores Hill, Ind.	Shelar, Balkrishna R.	..... Bombay, India
Lohrbach, Rudolph G.	..... Fremont, O.	Sherrard, Ralph S.	..... Inwood, W. Va.
Long, John D.	..... Altoona, Pa.	Shields, Jack D.	..... Flint, Mich.
Louviere, Melvin J.	..... Franklin, La.	Siegel, Harry J.	..... Erie, Pa.
		Silvey, George Harry	..... St. Joseph, Mo.
McMullen, Jack W.	..... Lima, O.	Simon, Roland A.	..... Massillon, O.
McSpedon, Joseph Howard	..... New York, N. Y.	Small, Durward G.	..... Gastonia, N. C.
MacKenzie, John	..... Stoneham, Mass.	Smith, James F.	..... Albany, N. Y.
Maiz, Jose S.	..... Bay View, P. R.	Sokol, Herbert Z.	..... Palm Beach, Fla.
Malchow, Richard G.	..... Holland, Mich.	Sommer, Herbert James	..... Orrville, O.
Malecky, Walter S.	..... Akron, O.	Spicka, George, Jr.	..... New York, N. Y.
Mallory, Worth W.	..... Salem, Ore.	Stastny, Emmerly Charles	..... Ulysses, Neb.
Markarian, Shimavon P. A.	..... Kirkuk, Iraq	Stepp, Bert E.	..... Keystone, Ind.
Markham, William E.	..... Columbus, Ind.	Stevens, Robert L.	..... Quincy, Mass.
Marks, Joseph L.	..... Fort Wayne, Ind.	Stevenson, Edward A.	..... Gulfport, Miss.
Marshall, Robert C.	..... Mohawk, N. Y.	Stinson, Donald E.	..... Anderson, Ind.
Marth, Ernest A.	..... Palmer, Alaska	Stockton, Robert B.	..... Alberta, Canada
Martin, Dale Richard	..... Colorado Springs, Colo.	Strayer, Jerry Ray	..... Waterville, O.
Martinez, Isidore, Jr.	..... Taft, Tex.	Stultz, Marion B.	..... Fort Wayne, Ind.
Martinez, Louis G.	..... Taos, N. M.	Swanson, Ronald F.	..... Jamestown, N. Y.
Marvel, Lemuel P.	..... Hillsdale, Ind.	Szabat, Nicholes	..... Hartford, Conn.
Mauk, Harold D.	..... Zanesville, O.		
Meaux, Curtis A.	..... Crowley, La.	Takehara, Toshio G.	..... Wahiawa, Oshu, T. H.
Melkonian, Hagop A.	..... Aleppo, Syria	Takeshita, Satoru	..... Lanai City, Lanai, T. H.
Meredith, Garland T.	..... Richmond, Va.	Tate, Donald	..... Green Ridge, Pa.
Mielke, Paul E.	..... LaGrange, Ind.	Taylor, Harold H.	..... Asheville, N. C.
Mileska, Antone E.	..... Mattituck, N. Y.	Taylor, William I.	..... Wilmington, Del.
Miller, James E., Jr.	..... New Castle, Ind.	Teel, Marvin C.	..... Portland, Ind.
Minai, Majid Husain	..... Pakistan	Tharp, Bud V.	..... St. Joe, Ind.
Mivaji, Hiroshi	..... Paia, Maui, Hawaii	Thompson, Carl, Jr.	..... Richmondale, O.
Mohney, Lester E.	..... Valier, Pa.	Thompson, Robert James	..... Marion Center, Pa.
Montalvo, Hector F.	..... Utuado, P. R.	Tomlinson, Paul A.	..... Willow Run, Mich.
Morris, Bernard	..... Queens, N. Y.	Touhy, Charles E.	..... Chillicothe, O.
Morris, Charles Wendell	..... Nashville, Tenn.	Taylor, Leroy	..... Richmond, O.
Morrison, James E.	..... Kingston, N. Y.		

Travato, Carmen E. Scranton, Pa.
 Tullio, Augustus P. Long Island, New York City, N. Y.
 Tumeh, Gabriel S. Home, Syria
 Tummev, William B. Dover, N. J.
 Urbank, Albin Edward Taylor, Tex.

Vaden, V. G. Mt. Clemens, Mich.
 Valencia, Arnoldo D. Azusa, Calif.
 Velely, Harold H. Alva, Okla.
 Vuchetich, James R. Brainerd, Minn.

Ware, Raeburn B. Sacramento, Calif.
 Warnek, Steve M. New York, N. Y.
 Wayne, Harmon T. Flushing, N. Y.
 Webler, Roy F. N. Agawam, Mass.
 Welsh, Neil J. Stillwater, Mich.
 White, Kenneth V. Winston-Salem, N. C.
 Whitney, John A. Elyria, O.
 Williams, Dale E. Van, Pa.
 Williams, Robert H. Savannah, Ga.
 Wise, Marvia J. Evansville, Ind.
 Wolfe, Richard Yoder, Ind.
 Wong, Jen Singapore, Malaya
 Wright, Donald Old Fort, N. C.
 Wright, Wallace E. Fort Wayne, Ind.

Yamane, Takeo Honolulu, T. H.
 Yokomoto, Robert K. Kuakini St., Honolulu

Zamboni, Marco H. Superior, Wyo.
 Zapata, Gaston M. LaPaz Bolivia, S. A.

Mechanical Engineering

Abdishi, Fuad Z. Karrada-Alsharkia
 Adams, Arthur D. Butler, Pa.
 Ahmad, Syed H. Karachi, Pakistan
 Aker, John Reed Columbia City, Ind.
 Alsever, Donald West Haven, Conn.
 Anderson, Edward K. Belvidere, Tenn.
 Artice, Kenneth N. Wright City, Okla.
 Athakravi Ard Bangkok, Thailand
 Atkinson, Edgar Camden, N. Y.
 Auther, Howard D. Bobtown, Pa.
 Avramidis, Nicholas P. New York, N. Y.

Babylon, Richard Hagerstown, Md.
 Bachmann, William J. New York, N. Y.
 Baciak, Albert Vulcan, Mich.
 Baker, Charles E. Utica, Pa.
 Baker, Theodore G. Port-au-Prince, Haiti
 Balser, David John South Fork, Pa.
 Banna, Faried A. Basrah, Iraq
 Bay, Walter Racine, Wis.
 Beasley, James G. Camden, Tenn.
 Bednar, Eugene A. Rayland, O.
 Belen, Marcos Aquirre, P. R.
 Bell, Benny James Fort Wayne, Ind.
 Bell, Billy W. Hopewell, Va.
 Bell, Norman Lynn Fort Wayne, Ind.
 Bernard, Stephen Chester, Pa.
 Biberstine, Morris L. Ossian, Ind.
 Bluhm, Elmer Paris, Mich.
 Bobay, James Patrick Fort Wayne, Ind.
 Bobbett, Dale L. Fairfield, Ill.
 Boitet, Donald J. Fort Wayne, Ind.
 Bradley, Durward G. Lyles, Tenn.
 Brady, William J. Lima, O.
 Bremmer, Gerald R. Grand Haven, Mich.
 Budowle, Jerry Kew Gardens Hills, N. Y.
 Burtica, Jorge Armenia, Colombia

Caero, Jose G. Cochabba, Bolivia
 Cain, Wayne R. Parkersburg, W. Va.
 Calderon, William Oliva Stockton, Calif.
 Campbell, Peter J. New York, N. Y.
 Campbell, Warren Dale Tionesta, Pa.
 Canute, Robert Henry Kalamazoo, Mich.
 Caouette, Zephirin A. Plainfield, Conn.
 Carls, Ronald L. Allegany, N. Y.
 Castano, Hernando Tulua, Colombia
 Castetter, Laurel Dyersburg, Tenn.
 Castro, Candido, Jr. Arecibo, P. R.
 Caughlan, Donald Henry Fairfeld, Ia.
 Centeno, Virgilio Honduras, C. A.
 Chen, Nei Hung Taiwan, China
 Chester, Robert A. Fort Wayne, Ind.
 Chirapravati, Vedhanatorn Washington, D. C.
 Clark, George T., Jr. Bellefontaine, O.
 Clark, Robert Harrison Beacon, N. Y.
 Claypool, William R. Inkster, Mich.
 Clendenen, Allen Mason Charleston, W. Va.
 Cleveland, Richard E. Fort Wayne, Ind.
 Close, William A. Muncie, Ind.
 Coen, Carlton Crosby Lima, O.
 Conley, Phillip R. Columbia City, Ind.

Connell, Norman H. Cudahy, Wis.
 Conrod, Donald Bush Winfield, Kan.
 Cook, Lewis J. Kensington, O.
 Cosner, Keith L. McComb, Ohio
 Cowen, Edward L. Sulphur, Okla.
 Craig, Alonzo G. Warren, Ind.
 Cramer, Lewis, Jr. Arlington, Va.
 Crider, Richard K. Greenfield, Ind.
 Critcheld, Lawrence B. Jacksonville, Ill.
 Custis, Lawrence G. New York, N. Y.

Dady, James Warren Flint, Mich.
 Darcheville, Francis L. Castries, St. Lucia, B. W. I.
 Davis, Loyd E. Chattahoochee, Fla.
 Davison, Robert L. Waynesburg, Pa.
 Deitsch, William F. Cincinnati, O.
 Denning, Theodore H. St. Meinrad, Ind.
 Dennison, Lawrence C. Pittston, Pa.
 Deutschman, Ernest Portage, O.
 DeWitt, Dwight L. LaOtto, Ind.
 DeWitt, Nova Estel Fort Wayne, Ind.
 Di Cuia, Frank P. Flushing, N. Y.
 Dillard, Don L. Rochester, N. Y.
 Dillard, Arthur J. Memphis, Tenn.
 Dillon, Donald C. Belmont, O.
 Dillon, Michael J. Elizabeth, N. J.
 Diopold, Lavern Henry St. Marys, Pa.
 Dodd, Charles H. Winchester, Ind.
 Dodson, Jerry Lehman Winston-Salem, N. C.
 Domaille, Edwin H. South Goulsboro, Me.
 Donnelly, John Henry Camden, Me.
 Dors, Joseph Tappan, N. Y.
 Dowling, Charles W. North Vernon, Ind.
 Drake, George R. Boise, Ida.
 Dranchak, Lawrence J. Scranton, Pa.
 Dunipace, Jewel Bowling Green, O.
 Dunn, Francis R. Davant, La.

Eagen, Duane M. Clinton, Ia.
 Ecker, James W. Cement City, Mich.
 Ecker, Mario E. Newark, N. J.
 Elder, George K. Indianapolis, Ind.
 Emiabata, Olatunji Lagos, Nigeria
 Erickson, Wayne P. Grand Junction, Colo.
 Eulitt, Thomas P. Fort Wayne, Ind.
 Ewanchook, Henry D. Swift Current, Sask., Canada

Falconi, Joseph G. Archbald, Pa.
 Fatianow, Peter R. Buenos Aires, Argentina
 Fernandez, Conrado New York, N. Y.
 Finet, Philip J. Danville, Ill.
 Fitzgerald, Roger W. Roanoke, Va.
 Flagella, Emanuel V. Dunkirk, N. Y.
 Fody, John Glen Meyer, Ont., Canada
 Fordyce, Robert Huntington, Ind.
 Freyler, Albert A. Yorkville, N. Y.

Gagnon, Roland A. Byfield, Mass.
 Gannon, John J. Brookline, Mass.
 Gedeon, Geza Fort Wayne, Ind.
 Ghorai, Subhas C. Calcutta, India
 Ghorai, Sukumar C. Calcutta, India
 Gilbert, Ward H. Fort Wayne, Ind.
 Giles, Hershel Mc, Jr. Greenwood, S. C.
 Gilham, Melvin M. Roseburg, Ore.
 Goizewski, Edward L. Somerville, Mass.
 Gomez, Antonio Bogota, Colombia
 Goodhart, Wilbur E. Shippensburg, Pa.
 Graber, Milo Fort Wayne, Ind.
 Green, Ruth M. (Mrs.) Fort Wayne, Ind.
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